RJS PEDESTRIAN WALKWAY REPAIRS

TAMPA, FLORIDA

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SITE MAP

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Project Name :

RJS PEDESTRIAN WALKWAY REPAIRS

Client :

TAMPA SPORTS AUTHORITY

Seal :

Issues/Revisions :

BID SET

No.	Date	Description
1	03/21/24	BID SET

Project Number : D07-23061-00
Drawn By : MN
Approved By : WW
Checked By : KH

Certification Statement :

TO THE BEST OF THE ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES.

Seal and Signature :

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Drawing Title :

COVER SHEET

Sheet No. :

CVR

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GENERAL NOTES

I. DESIGN CRITERIA

A. GENERAL BUILDING CODE

1. THE REPAIR DOCUMENTS ARE BASED ON THE REQUIREMENTS OF THE FLORIDA BUILDING CODE EIGHT EDITION (2023) AND THE FLORIDA BUILDING CODE, EXISTING BUILDING EIGHTH EDITION (2023).
2. THE STRUCTURAL WORK SPECIFIED IN THIS SET OF DRAWINGS ARE REPAIRS AS DEFINED BY THE FLORIDA BUILDING CODE, EXISTING BUILDING.

B. DEAD LOADS (UNFACTORED) (NEW HOLLOWCORE PLANKS)

1. SELF-WEIGHT OF PLANKS (MAXIMUM 93 PSF)
2. SUPERIMPOSED DEAD LOAD: 45 PSF (CONCRETE TOPPING)

C. LIVE LOADS (UNFACTORED) (NEW HOLLOWCORE PLANKS)

1. 100 PSF

D. WIND LOADS

1. THE REPAIR SPECIFIED IN THIS SET OF DRAWINGS DOES NOT MODIFIY THE EXISTING LATERAL LOAD RESISTING SYSTEM OR GEOMETRY OF THE STRUCTURE. THE REPAIR CONSISTS OF REPLACEMENT OF THE GRAVITY LOAD CARRYING PRECAST PLANKS ONLY. THE BONDED CONCRETE TOPPING SLAB/DIAPHRAGM FOR THE PLANKS MATCHES EXISTING.

E. HANDRAIL AND GUARD LOADS

1. GUARDS FOR PEDESTRIAN PROTECTION SHALL BE DESIGNED BY THE CONTRACTOR TO COMPLY WITH THE REFERENCED BUILDING CODE SECTION 1015 TO PROVIDE A 42" MINIMUM PROTECTION HEIGHT ABOVE FINISH FLOOR AND SHALL NOT ALLOW 4" DIAMETER SPHERE TO PASS THROUGH THE GUARD.
2. HANDRAILS FOR PEDESTRIAN PROTECTION SHALL BE DESIGNED BY THE CONTRACTOR TO COMPLY WITH THE REFERENCED BUILDING CODE SECTION 1014. HANDRAIL CENTERLINE SHALL BE INSTALLED AT LEAST 34" AND NOT MORE THAN 38" ABOVE FINISH FLOOR. HANDRAIL SHALL HAVE A SMOOTH CIRCULAR PROFILE OF 1.25" MINIMUM DIAMETER AND NOT MORE THAN 2" MAXIMUM DIAMETER. WELDED HANDRAIL SHARP TURNS SHALL HAVE A MINIMUM EDGE RADIUS OF 0.01" AND SHALL BE GROUND SMOOTH.

F. DEFLECTION LIMITS (NEW HOLLOWCORE PLANKS)

1. L/240 (D+L)
2. L/360 (L)

THE DEFLECTION LIMIT FOR THE D+L LOAD COMBINATION ONLY APPLIES TO THE DEFLECTION DUE TO THE CREEP COMPONENT OF LONG-TERM DEAD LOAD DEFLECTION PLUS THE SHORT-TERM LIVE LOAD DEFLECTION.

II. SCOPE OF WORK

A. GENERAL

1. SCOPE OF WORK INCLUDES THE DRAWINGS AND GENERAL PROVISIONS OF CONTRACT, INCLUDING CONDITIONS PROVIDED BY OWNER. SCOPE OF WORK AT THE EAST PEDESTRIAN WALKWAY RAMP GENERALLY CONSISTS OF THE REPLACEMENT OF EXISTING PRECAST CONCRETE PLANKS AND BONDED TOPPING SLAB, EDGE BEAM/ CURB CLOSURE AND GUARDRAILS AND LOCALIZED CONCRETE PATCHES AT THE EXISTING SUPPORTING BEAMS AND THE ADJACENT STAIR STRUCTURE. SCOPE OF WORK AT THE WEST PEDESTRIAN WALKWAY GENERALLY CONSISTS OF LOCALIZED CONCRETE PATCHES AT THE EXISTING PRECAST CONCRETE PLANKS AND TOPPING, ROUTING AND SEALING OF SLAB CRACKS, REPLACEMENT OF SEALANTS AT EXISTING SLAB CONTRACTION JOINTS AND COVE SEALANT INSTALLATION AT GUARDDRAIL POSTS.
2. CONTRACTOR SHALL FURNISH ALL MATERIAL, LABOR, TOOLS, SUPPLIES, PERMITS, EQUIPMENT, TRANSPORTATION, SUPERINTENDENCE, BARRICADES, SHORING, BRACING, TEMPORARY CONSTRUCTION OF EVERY NATURE, INSURANCE, TAXES, CONTRIBUTIONS AND ALL SERVICES AND FACILITIES, UNLESS SPECIFICALLY EXCEPTED, AND INSTALL/REMOVE ALL MATERIALS, ITEMS, AND EQUIPMENT REQUIRED TO COMPLETE THE DEMOLITION AND CONSTRUCTION OF THE PROJECT, AS SET FORTH IN THE CONTRACT DOCUMENTS.
3. COOPERATE WITH THE OWNER'S REPRESENTATIVE IN ALL CONSTRUCTION OPERATIONS TO MINIMIZE CONFLICT AND TO FACILITATE OWNER USAGE.
4. CONTRACTOR ACKNOWLEDGES BY SUBMITTING A BID OR PROPOSAL TO PERFORM THE SPECIFIED WORK, THAT THE CONTRACTOR HAS VISITED AND INSPECTED THE PROJECT SITE IN WHICH THE WORK IS TO BE PERFORMED, IS SATISFIED AS TO THE NATURE AND LOCATION OF THE WORK, INCLUDING ANY OBSTRUCTIONS, AMOUNT OF WORK, ACTUAL LEVELS, THE EQUIPMENT AND FACILITIES NEEDED PRELIMINARY TO AND DURING THE EXECUTION OF THE WORK, AND ALL OTHER MATTERS WHICH CAN IN ANY WAY AFFECT THE WORK OR THE COST THEREOF UNDER THIS CONTRACT.
5. FAILURE BY CONTRACTOR TO HAVE BECOME ACQUAINTED WITH AVAILABLE INFORMATION CONCERNING SITE CONDITIONS, INCLUDING FACTORS AFFECTING COSTS AND LIABILITIES, SHALL NOT RELIEVE CONTRACTOR OF RESPONSIBILITY FOR PERFORMANCE OF WORK IN ACCORDANCE WITH REQUIREMENTS OF THE CONTRACT DOCUMENTS, AND FOR AMOUNT OF CONSIDERATION NAMED OR OTHERWISE DETERMINED.
6. WHEN CONTRACTOR ENCOUNTERS A CONDITION REQUIRING FURTHER INFORMATION OR A CLARIFICATION, CONTRACTOR SHALL SUBMIT TO ENGINEER A WRITTEN REQUEST FOR INFORMATION (R.F.I.) NUMBERED SEQUENTIALLY. ENGINEER WILL RESPOND IN WRITING TO ALL R.F.I.S.

III. NON-DESTRUCTIVE EVALUATION

A. ITEMS EMBEDDED IN CONCRETE STRUCTURES

1. ITEMS EMBEDDED IN CONCRETE STRUCTURES SHALL NOT BE DAMAGED DURING REPAIR WORK OR INSTALLATION OF NEW MEMBERS REQUIRING POST-INSTALLED ANCHORS. EMBEDDED ITEMS MAY INCLUDE MILD REINFORCEMENT, PRESTRESSING REINFORCEMENT, DOWELS, EMBEDDED CONNECTIONS, ELECTRICAL CONDUITS, PLUMBING, ETC.
2. ITEMS EMBEDDED IN CONCRETE SHALL BE LOCATED BY NON-DESTRUCTIVE EVALUATION PRIOR TO PERFORMING ANY WORK. CONTRACTOR SHALL MARK ON THE STRUCTURE THE LOCATION OF EMBEDDED ITEMS AND PROVIDE A REPORT TO THE ENGINEER.
3. CONTRACTOR SHALL NOT START FABRICATION OF NEW MEMBERS UNTIL ITEMS EMBEDDED IN CONCRETE HAVE BEEN LOCATED. CONTACT ENGINEER IF EXISTING EMBEDDED ITEMS INTERFERE WITH LOCATION OF POST-INSTALLED ANCHORS SPECIFIED IN DRAWINGS.
4. ENGINEER MAY REQUIRE A PARTICULAR NON-DESTRUCTIVE EVALUATION METHOD FOR THE LOCATION OF EMBEDDED ITEMS.

IV. SELECTIVE DEMOLITION

A. RESPONSIBILITY OF THE CONTRACTOR FOR STABILITY OF THE STRUCTURE DURING DECONSTRUCTION / DEMOLITION

1. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ALL REQUIRED BRACING DURING DEMOLITION TO MAINTAIN THE STABILITY AND SAFETY OF ALL STRUCTURAL ELEMENTS DURING THE DEMOLITION PROCESS. CONTRACTOR SHALL ENGAGE A PROFESSIONAL ENGINEER TO SURVEY CONDITION OF THE STRUCTURE TO DETERMINE WHETHER REMOVING ANY ELEMENT MIGHT RESULT IN STRUCTURAL DEFICIENCY OR UNPLANNED COLLAPSE OF ANY PORTION OF STRUCTURE OR ADJACENT STRUCTURES DURING SELECTIVE DEMOLITION OPERATIONS.

B. DEFINITIONS

1. REMOVE: DETACH ITEMS FROM EXISTING CONSTRUCTION AND LEGALLY DISPOSE OF THEM OFF-SITE, UNLESS INDICATED TO BE REMOVED AND SALVAGED OR REMOVED AND REINSTALLED.
2. REMOVE AND SALVAGE: DETACH ITEMS FROM EXISTING CONSTRUCTION AND DELIVER THEM TO OWNER READY FOR REUSE. OWNER TO IDENTIFY ITEMS TO BE REUSED OR SALVAGED.
3. EXISTING TO REMAIN: EXISTING ITEMS OF CONSTRUCTION THAT ARE NOT TO BE REMOVED AND THAT ARE NOT OTHERWISE INDICATED TO BE REMOVED, REMOVED AND SALVAGED, OR REMOVED AND REINSTALLED.

C. MATERIAL OWNERSHIP

1. EXCEPT FOR ITEMS OR MATERIALS INDICATED TO BE REUSED, SALVAGED, OR OTHERWISE INDICATED TO REMAIN OWNER'S PROPERTY. DEMOLISHED MATERIALS SHALL BECOME CONTRACTOR'S PROPERTY, AND SHALL BE REMOVED FROM PROJECT SITE. THE MATERIALS REMOVED SHALL BE DISPOSED OF IN A PROPER AND LEGAL MANNER PER FEDERAL, STATE AND LOCAL REGULATIONS.

D. QUALITY ASSURANCE

1. DEMOLITION FIRM QUALIFICATIONS: AN EXPERIENCED FIRM THAT HAS SPECIALIZED IN DEMOLITION WORK SIMILAR IN MATERIAL AND EXTENT TO THAT INDICATED FOR THIS PROJECT.
2. PROFESSIONAL QUALIFICATIONS OF ENGINEER ENGAGED BY CONTRACTOR: CURRENT REGISTRATION IN THE STATE WHERE THE PROJECT IS LOCATED.
3. REGULATORY REQUIREMENTS: COMPLY WITH GOVERNING OWNER, LOCAL, STATE, FEDERAL, AND EPA NOTIFICATIONS AND REGULATIONS BEFORE BEGINNING SELECTIVE DECONSTRUCTION / DEMOLITION. COMPLY WITH HAULING AND DISPOSAL REGULATIONS OF AUTHORITIES HAVING JURISDICTION.
4. CONTRACTOR SHALL PHOTO DOCUMENT EXISTING CONDITIONS OF THE BUILDING AND ADJOINING PROPERTIES. PHOTOS SHALL BE SUBMITTED TO OWNER AND ENGINEER OF RECORD PRIOR TO DECONSTRUCTION /DEMOLITION.
5. PRE-DEMOLITION CONFERENCE: CONDUCT CONFERENCE AT PROJECT SITE TO ADDRESS THE FOLLOWING:
   A. INSPECT AND DISCUSS CONDITION OF CONSTRUCTION TO BE SELECTIVELY DEMOLISHED.
   B. REVIEW STRUCTURAL LOAD LIMITATIONS OF EXISTING STRUCTURE AS APPROPRIATE FOR THE PROPOSED MEANS AND METHODS.
   C. REVIEW AND FINALIZE SELECTIVE DEMOLITION SCHEDULE AND VERIFY AVAILABILITY OF MATERIALS, DEMOLITION PERSONNEL, EQUIPMENT, AND FACILITIES NEEDED TO MAKE PROGRESS AND AVOID DELAYS.
   D. REVIEW PROCEDURES FOR IDENTIFYING, REMEDIATING, AND DISPOSING OF HAZARDOUS MATERIALS.

E. PROJECT CONDITIONS

1. CONDUCT SELECTIVE DEMOLITION SO OWNER'S OPERATIONS WILL NOT BE DISRUPTED. PROVIDE NOT LESS THAN 72-HOUR NOTICE TO OWNER OF ACTIVITIES THAT WILL AFFECT OWNER'S OPERATIONS.
2. MAINTAIN ACCESS TO EXISTING WALKWAYS (OTHER THAN THE EAST AND WEST PEDESTRIAN WALKWAYS), CORRIDORS, AND OTHER ADJACENT OCCUPIED OR USED FACILITIES. DO NOT CLOSE OR OBSTRUCT WALKWAYS, CORRIDORS, OR OTHER OCCUPIED OR USED FACILITIES WITHOUT WRITTEN PERMISSION FROM AUTHORITIES HAVING JURISDICTION. THE EAST AND WEST PEDESTRIAN WALKWAYS THAT ARE THE SCOPE THIS PROJECT, AND THE PEDESTRIAN BRIDGE BETWEEN THE WALKWAYS MUST BE BARRICADED AND CLOSED THROUGHOUT THE REPAIR PROJECT.
3. OWNER ASSUMES NO RESPONSIBILITY FOR CONDITION OF AREAS TO BE SELECTIVELY DEMOLISHED.
   A. CONDITIONS EXISTING AT TIME OF INSPECTION FOR BIDDING PURPOSE WILL BE MAINTAINED BY OWNER AS FAR AS PRACTICAL.
   B. BEFORE SELECTIVE DEMOLITION, OWNER WILL REMOVE ITEMS WITHIN SPACE AS NEEDED.
4. IF MATERIALS SUSPECTED OF CONTAINING HAZARDOUS MATERIALS ARE ENCOUNTERED, DO NOT DISTURB; IMMEDIATELY NOTIFY ENGINEER AND OWNER. THESE MATERIALS SHALL BE REMOVED AND DISPOSED OF AS APPROVED BY THE AUTHORITIES HAVING JURISDICTION.
5. STORAGE OR SALE OF REMOVED ITEMS OR MATERIALS ON-SITE WILL NOT BE PERMITTED.
6. UTILITY SERVICE: MAINTAIN EXISTING UTILITIES INDICATED TO REMAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE DURING SELECTIVE DEMOLITION OPERATIONS. MAINTAIN FIRE-PROTECTION FACILITIES IN SERVICE DURING SELECTIVE DEMOLITION.
7. PROTECT ADJACENT PAVING (ASPHALT OR CEMENT ROADWAYS, SEWERS, ETC.) AND DRAINAGE DITCHES AS NEEDED.
8. ALL AREAS OUTSIDE OF DEMOLITION SCOPE TO BE PROTECTED FROM DAMAGE BY CONTRACTOR. RESTORE AREAS SUBJECT TO DAMAGE TO THEIR PRE-DEMOLITION CONDITION.

G. PREPARATION

1. DANGEROUS MATERIALS: DRAIN, PURGE, OR OTHERWISE REMOVE, COLLECT, AND DISPOSE OF CHEMICALS, GASES, EXPLOSIVES, ACIDS, FLAMMABLES, OR OTHER DANGEROUS MATERIALS BEFORE PROCEEDING WITH SELECTIVE DEMOLITION.
   A. PROTECT EXISTING SITE IMPROVEMENTS, APPURTENANCES, AND LANDSCAPING TO REMAIN.
   B. ERECT A PLAINLY VISIBLE FENCE AROUND DRIP LINE OF INDIVIDUAL TREES OR AROUND PERIMETER DRIP LINE OF GROUPS OF TREES TO REMAIN.
2. TEMPORARY FACILITIES: PROVIDE TEMPORARY BARRICADES AND OTHER PROTECTION REQUIRED TO PREVENT INJURY TO PEOPLE AND DAMAGE TO ADJACENT BUILDINGS AND FACILITIES TO REMAIN.
   A. PROVIDE PROTECTION TO ENSURE SAFE PASSAGE OF PEOPLE AROUND SELECTIVE DEMOLITION AREA AND TO AND FROM OCCUPIED PORTIONS OF ADJACENT FACILITIES.
3. CONTRACTOR SHALL PROVIDE ALL NECESSARY TRAFFIC CONTROL AND PEDESTRIAN CONTROL MEASURES AS REQUIRED.
4. CONTRACTOR SHALL COORDINATE WITH OWNER IF ANY REMOVAL OF LANDSCAPE IS REQUIRED.
5. TEMPORARY PARTITIONS: ERECT AND MAINTAIN DUSTPROOF PARTITIONS AND TEMPORARY ENCLOSURES TO LIMIT DUST AND DIRT MIGRATION AND TO SEPARATE AREAS FROM FUMES AND NOISE.
6. TEMPORARY SHORING: PROVIDE AND MAINTAIN EXTERIOR SHORING, BRACING, OR STRUCTURAL SUPPORT TO PRESERVE STABILITY AND TO PREVENT UNEXPECTED OR UNCONTROLLED MOVEMENT OR COLLAPSE OF CONSTRUCTION BEING DEMOLISHED. STRENGTHEN OR ADD TEMPORARY SUPPORTS WHEN REQUIRED DURING PROGRESS OF SELECTIVE DEMOLITION.

H. POLLUTION CONTROLS

1. CONDUCT DEMOLITION WASTE DISPOSAL OPERATIONS IN COMPLIANCE WITH LOCAL LAWS AND ORDINANCES. COMPLY FULLY WITH FEDERAL AND LOCAL ENVIRONMENTAL AND ANTI-POLLUTION REGULATIONS.

I. EXECUTION OF SELECTIVE DEMOLITION

1. GENERAL: DEMOLISH EXISTING CONSTRUCTION AS INDICATED. USE METHODS REQUIRED TO COMPLETE THE WORK WITHIN LIMITATIONS OF GOVERNING REGULATIONS AND AS FOLLOWS:
   A. USE CUTTING METHODS LEAST LIKELY TO DAMAGE CONSTRUCTION TO REMAIN OR ADJOINING CONSTRUCTION.
   B. DO NOT USE CUTTING TORCHES UNTIL WORK AREA IS CLEARED OF FLAMMABLE MATERIALS. MAINTAIN FIRE WATCH AND PORTABLE FIRE-SUPPRESSION DEVICES DURING FLAME-CUTTING OPERATIONS.
   C. MAINTAIN ADEQUATE VENTILATION WHEN USING CUTTING TORCHES.
   D. REMOVE DECAYED, VERMIN-INFESTED, OR OTHERWISE DANGEROUS OR UNSUITABLE MATERIALS AND PROMPTLY DISPOSE OF OFF-SITE.
   E. LOCATE SELECTIVE DEMOLITION EQUIPMENT AND REMOVE DEBRIS AND MATERIALS SO AS NOT TO IMPOSE EXCESSIVE LOADS ON SUPPORTING WALLS, SLABS, OR FRAMING.
   F. DISPOSE OF DEMOLISHED ITEMS AND MATERIALS PROMPTLY.
2. EXISTING FACILITIES: COMPLY WITH OWNER'S REQUIREMENTS FOR USING AND PROTECTING OTHER BUILDING FACILITIES DURING SELECTIVE DEMOLITION OPERATIONS.
3. REMOVED AND SALVAGED ITEMS: COMPLY WITH THE FOLLOWING:
   A. CLEAN SALVAGED ITEMS.
   B. STORE ITEMS IN A SECURE AREA UNTIL DELIVERY TO OWNER.
   C. TRANSPORT ITEMS TO OWNER'S STORAGE AREA AS DESIGNATED BY OWNER.
4. EXISTING ITEMS TO REMAIN: CONTRACTOR TO COORDINATE WITH OWNER (PRIOR TO BEGINNING WORK) ON ITEMS THAT ARE TO REMAIN AND HENCE BE PROTECTED DURING THE DEMOLITION PROCESS. WHEN PERMITTED BY OWNER, ITEMS MAY BE REMOVED TO A SUITABLE AND/OR PROTECTED LOCATION.

J. DISPOSAL OF WASTE AND DEMOLISHED MATERIALS

1. PROVIDE A PLAN FOR THE COLLECTION AND DISPOSAL OF WASTE MATERIALS ON THE SITE. DESIGNATE LOCATIONS FOR TRASH AND WASTE RECEPTACLES AND ESTABLISH A COLLECTION SCHEDULE. SPECIFY AND CARRY OUT METHODS FOR ULTIMATE DISPOSAL OF WASTE IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL HEALTH AND SAFETY REGULATIONS. MAKE SPECIAL PROVISIONS FOR THE COLLECTION AND DISPOSAL OF LIQUID WASTES AND TOXIC OR HAZARDOUS MATERIALS.
2. GENERAL: PROMPTLY DISPOSE OF DEMOLISHED MATERIALS. DO NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE ON-SITE.
3. BURNING: DO NOT BURN DEMOLISHED MATERIALS.
4. KEEP RECEPTACLES AND OTHER WASTE COLLECTION AREAS NEAT AND ORDERLY. DO NOT ALLOW WASTE TO OVERFLOW ITS CONTAINER OR ACCUMULATE FOR EXCESSIVELY LONG PERIODS OF TIME. LOCATE TRASH COLLECTION POINTS WHERE THEY WILL LEAST LIKELY BE AFFECTED BY STORM WATER RUNOFF.
5. DISPOSAL: TRANSPORT DEMOLISHED MATERIALS OFF OWNER'S PROPERTY AND LEGALLY DISPOSE OF THEM.

V. CONCRETE REPAIRS / CONCRETE FOR TOPPING SLABS

A. CONCRETE REPAIR MATERIALS

1. ALL CONCRETE SHALL CONFORM TO THE REQUIREMENTS AS SPECIFIED IN SPECIFICATION SECTION "CONCRETE REPAIR MATERIALS."

B. CONCRETE FOR TOPPING SLABS AND EDGE BEAMS

1. REFER TO DETAIL 4/S3.10.

C. HORIZONTAL CONSTRUCTION JOINTS IN CONCRETE PLACEMENTS

1. THERE SHALL BE NO NEW HORIZONTAL CONSTRUCTION JOINTS IN ANY CONCRETE PLACEMENTS UNLESS SHOWN ON THE DRAWINGS. THE ENGINEER SHALL APPROVE ALL DEVIATIONS OR ADDITIONAL JOINTS IN WRITING.

D. REINFORCING STEEL

1. ALL REINFORCING STEEL SHALL BE ASTM A615 GRADE 60 UNLESS NOTED OTHERWISE ON THE DRAWINGS OR IN THESE NOTES.

E. PLACEMENT OF WELDED WIRE REINFORCEMENT

1. WHEREVER WELDED WIRE REINFORCEMENT IS SPECIFIED AS REINFORCEMENT, IT SHALL BE CONTINUOUS ACROSS THE ENTIRE CONCRETE SURFACE AND PROPERLY LAPPED PER ACI 318.

F. REINFORCEMENT IN TOPPING SLABS

1. REFER TO S1.10.

G. REINFORCING STEEL COVERAGE

1. REINFORCING STEEL COVERAGE SHALL CONFORM TO THE REQUIREMENTS SPECIFIED ON THE DRAWINGS. COVER SPECIFIED SHALL BE CONSIDERED MINIMUM, HOWEVER EXISTING REINFORCEMENT MAY HAVE A SMALLER COVER THAN SPECIFIED IN DRAWING DETAILS. CONCRETE PATCHES CAN BE BUILT UP TO PROVIDE THE REQUIRED COVER AS LONG AS THE PATCH APPEARANCE IS ACCEPTABLE TO OWNER AND IT DOES NOT REPRESENT A TRIPPING HAZARD TO PEDESTRIANS OR A BUMP TO VEHICLES. COVER IN STRUCTURAL MEMBERS NOT SPECIFIED IN THE DETAILS SHALL CONFORM TO THE REQUIREMENTS OF ACI 318 UNLESS SPECIFIED OTHERWISE ON THE DRAWINGS.

VI. CONCRETE FORMING

A. RESPONSIBILITY

1. THE DESIGN, CONSTRUCTION, AND SAFETY OF ALL FORMWORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALL FORMS, SHORES, RESHORES, BACKSHORES, FALSEWORK, BRACING, AND OTHER TEMPORARY SUPPORTS SHALL BE ENGINEERED TO SUPPORT ALL LOADS IMPOSED INCLUDING THE WET WEIGHT OF CONCRETE, CONSTRUCTION EQUIPMENT, LIVE LOADS, LATERAL LOADS DUE TO WIND AND WET CONCRETE IMBALANCE. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR DETERMINING WHEN TEMPORARY SUPPORTS, SHORES, RESHORES, BACKSHORES, AND OTHER BRACING MAY BE SAFELY REMOVED.

B. FORM-FACING MATERIALS

1. SMOOTH FORMED FINISHED CONCRETE: UNLESS OTHERWISE SPECIFIED, FORMWORK FOR EXPOSED CONCRETE SURFACES SHALL CONSIST OF PLYWOOD, LUMBER, METAL, METAL FRAMED PLYWOOD, OR OTHER ACCEPTABLE SURFACE. FORMWORK SHALL PROVIDE A CONTINUOUS STRAIGHT AND ROUGH SURFACE FINISH TO MATCH THE EXISTING CONCRETE FINISH. FORM MATERIAL SHALL HAVE SUFFICIENT THICKNESS TO WITHSTAND PRESSURE OF CONCRETE WITHOUT BOW OR DEFLECTION. PLYWOOD SHALL BE EXTERIOR GRADE PLYWOOD PANELS, SUITABLE FOR CONCRETE FORMS, COMPLYING WITH U.S. PRODUCT STANDARD PS-1, EACH PIECE BEARING A LEGIBLE INSPECTION TRADEMARK. LUMBER SHALL BE DRESSED ON AT LEAST TWO EDGES AND ONE SIDE FOR TIGHT FIT. THE MINIMUM GRADE SHALL BE B-C, EXTERIOR GRADE.

C. FORMWORK COATINGS

1. FORMWORK COATINGS SHALL BE OF A COMMERCIAL FORMULATION THAT WILL NOT BOND WITH, STAIN, NOR ADVERSELY AFFECT CONCRETE SURFACES OR IMPAIR SUBSEQUENT TREATMENT OF CONCRETE SURFACES REQUIRING BOND OR ADHESION, NOR IMPEDE CURING WITH WATER OR CURING COMPOUNDS. PROVIDE A PRODUCT THAT HAS A MAXIMUM VOC (VOLATILE ORGANIC COMPOUNDS) OF 50 G/L BUT NOT GREATER THAN THAT PERMITTED BY THE LOCAL GOVERNMENT AGENCY HAVING JURISDICTION IN THE AREA WHERE THE PROJECT IS LOCATED. SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE ONE OF THE FOLLOWING:
   A. SIKA CORPORATION; MASTERFINISH RL 211
   B. EUCLID CHEMICAL; FORMISHIELD PURE
   C. DAYTON SUPERIOR; CLEAN STRIP J1EF
   D. UNITEX; FARM FRESH XL
   E. US SPEC; EZKOTE GREEN
2. NAILS AND FASTENERS: USE ONLY GALVANIZED NAILS AND FASTENERS FOR SECURING FORMWORK IN STRUCTURES EXPOSED TO WEATHER OR UNCONDITIONED SPACES.
3. FORM TIES: FACTORY-FABRICATED AND DESIGNED TO RESIST LATERAL PRESSURE OF FRESH CONCRETE ON FORMS AND TO MINIMIZE SPALLING OF CONCRETE ON REMOVAL. PROVIDE REMOVABLE, GLASS-FIBER-REINFORCED PLASTIC, STAINLESS STEEL, OR GALVANIZED FORM TIES THAT WILL LEAVE NO CORRODIBLE METAL CLOSER THAN 1 1/2 IN. IN SURFACES THAT WILL BE EXPOSED TO WEATHER OR IN AN UNCONDITIONED SPACE IN THE FINAL STRUCTURE. THE TIES SHALL LEAVE HOLES NO LARGER THAN ONE IN. IN DIAMETER IN CONCRETE SURFACES WHEN THE ENDS OR END -FASTENERS ARE REMOVED.
4. CHAMFER STRIPS: PROVIDE WOOD, METAL, PVC, OR RUBBER STRIPS, 3/4 IN. BY 3/4 IN., MINIMUM.
5. CARTON FORMS: CARTON FORMS SHALL BE MANUFACTURED USING CORRUGATED PAPER MATERIAL WITH A MOISTURE RESISTANT EXTERIOR SURFACE AND SPECIFICALLY DESIGNED FOR FOUNDATION SUPPORT. CARTON FORMS SHALL BE DESIGNED TO SUPPORT THE WET WEIGHT OF THE CONCRETE THAT IS SHOWN BY THE DETAILS TO BE PLACED ON TOP OF THE FORM, BUT THE WEIGHT ASSUMED SHALL NOT BE LESS THAN 600 POUNDS PER SQUARE FT. THE FORMS SHALL BE DESIGNED IN SUCH A WAY THAT THE BOTTOM OF THE FORM WILL COLLAPSE WHEN ACTED UPON BY UPWARD MOVEMENT OF THE SOIL. ACCEPTABLE CARTON FORMS MANUFACTURE IS SUREVOID PRODUCTS, INC. OR ENGINEER APPROVED EQUIVALENT.

D. REMOVAL OF FORMS AND SUPPORTS

1. DETERMINATION BY CONTRACTOR'S REGISTERED ENGINEER: THE CONTRACTOR'S REGISTERED PROFESSIONAL ENGINEER SHALL DETERMINE AND SUBMIT FOR OWNER'S RECORD THE TIME AND SEQUENCE OF FORMWORK AND SHORE REMOVAL SUBJECT TO THE CRITERIA AS SPECIFIED BELOW.
2. DETERMINING IN SITU STRENGTH OF CONCRETE: THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING AND CURING CONCRETE CYLINDERS, CURED UNDER FIELD CONDITIONS, FOR THE PURPOSE OF DETERMINING CONCRETE STRENGTH AT TIME OF FORM AND SHORE REMOVAL. SUCH CYLINDERS SHALL BE MADE BY THE CONTRACTOR AND TESTED BY THE CONTRACTOR'S TESTING AGENCY. ALTERNATIVELY, THE IN SITU STRENGTH OF CONCRETE MAY BE DETERMINED BY THE MATURITY METHOD FOLLOWING THE REQUIREMENTS OF ASTM C1074.
3. RECORDS OF WEATHER CONDITIONS: THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING RECORDS OF WEATHER CONDITIONS TO BE USED IN THE DECISION ON WHEN TO REMOVE FORMS.
4. FORMWORK NOT SUPPORTING CONCRETE: FORMWORK NOT SUPPORTING CONCRETE, SUCH AS SIDES OF COLUMNS, MAY BE REMOVED AFTER CUMULATIVELY (NOT NECESSARILY CONSECUTIVELY) CURING AT NOT LESS THAN 50°F FOR 12 HOURS. AFTER PLACING CONCRETE, PROVIDED THE CONCRETE IS SUFFICIENTLY HARD SO AS NOT TO BE DAMAGED BY FORM REMOVAL OPERATIONS AND PROVIDED CURING AND PROTECTION OPERATIONS ARE MAINTAINED. IF AMBIENT AIR TEMPERATURES REMAIN BELOW 50°F, IF RETARDING AGENTS ARE USED, OR IF TYPE II AND TYPE V PORTLAND CEMENT IS USED, THEN THIS SPECIFIED MINIMUM PERIOD SHALL BE INCREASED AS REQUIRED TO SAFELY REMOVE THE FORMS WITHOUT DAMAGE TO THE CONCRETE. WHERE SUCH FORMS ALSO SUPPORT FORMWORK FOR SLAB OR BEAM SOFFITS, THE REMOVAL TIMES OF THE LATTER SHALL GOVERN.
5. IN-SITU VERIFICATION PRIOR TO FORM STRIPPING: THE CONTRACTOR'S TESTING AGENCY SHALL VERIFY THAT THE CONCRETE HAS REACHED THE REQUIRED MINIMUM STRENGTH BEFORE FORM REMOVAL BY USING FIELD-CURED CYLINDERS, BROKEN AT THE TIME OF FORM REMOVAL, AS DIRECTED BY THE CONTRACTOR.
6. SHORING REMOVAL: REMOVE SHORING ONLY AFTER THE FOLLOWING HAS BEEN COMPLETED.
   A. OWNERS TESTING LAB HAS CONFIRMED THE DESIGN COMPRESSIVE STRENGTH FOR THE CONCRETE BASED ON LABORATORY CURED SAMPLES.

VII. STRUCTURAL PRECAST CONCRETE

A. REFER TO SECTION "STRUCTURAL PRECAST CONCRETE."

VIII. STRUCTURAL TESTING AND INSPECTIONS

A. REFER TO SECTION "STRUCTURAL TESTING AND INSPECTIONS."

IX. SUBMITTALS

A. SUBMITTAL LIST AND SCHEDULE

1. THE CONTRACTOR SHALL PREPARE A DETAILED LIST AND SCHEDULE OF ALL SUBMITTAL ITEMS TO BE SENT TO THE STRUCTURAL ENGINEER PRIOR TO THE START OF CONSTRUCTION. THIS LIST SHALL BE UPDATED AND REVISED AND KEPT CURRENT AS THE JOB PROGRESSES. THE SUBMITTAL LIST SHALL BE ORGANIZED AS SHOWN BELOW:
   A. SHOP DRAWINGS
   B. DESIGN CALCULATIONS
   C. PRODUCT TECHNICAL DATA
   D. PRODUCT MSDS/SDS
   E. CERTIFICATES, REPORTS, AND OTHER LITERATURE

B. SUBMITTALS TO BE PROVIDED TO STRUCTURAL ENGINEER

1. PRODUCT SUBMITTALS: THE FOLLOWING SUBMITTALS SHALL BE PROVIDED:
   A. CONCRETE MIX DESIGN
   B. EPOXY-MODIFIED CEMENTITIOUS COATING FOR EMBEDDED REINFORCEMENT.
   C. CONCRETE REPAIR MATERIALS.
   D. REINFORCING STEEL.
   E. EPOXY FOR GROUTING BOLTS, DOWELS, OR REINFORCING STEEL.
   F. CONCRETE PENETRATING SEALER.
   G. ABRASIVE BLASTING MEDIUM.
   H. BOLTS, RODS, NUTS, WASHERS AND ASSOCIATED COMPONENTS.
   I. BEARING PADS FOR HOLLOWCORE PLANKS.
   J. JOINT SEALANTS (HORIZONTAL, VERTICAL, AND COVE).

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407.418.2218

Project Name :

RJS PEDESTRIAN WALKWAY REPAIRS

Client :

TAMPA SPORTS AUTHORITY

Seal :

Issues/Revisions :

BID SET

No.	Date	Description
1	03/21/24	BID SET

Project Number : D07-23061-00
Drawn By : MN
Approved By : WW
Checked By : KH

Certification Statement :
TO THE BEST OF THE ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES.

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GENERAL NOTES

2. DEFERRED SUBMITTALS:
   A. THE FOLLOWING ITEMS ARE CONSIDERED DEFERRED SUBMITTALS BY THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE:
      1) FORMWORK, SHORING, RESHORING, BACKSHORING, AND JACKING (S&S, REC)
      2) PRECAST STRUCTURAL CONCRETE (S&S)
      3) PEDESTRIAN GUARDRAILS (S&S)
   NOTES:
   (S&S) ITEMS MARKED THUS SHALL HAVE THE SHOP DRAWINGS AND DELEGATED DESIGN SUBMITTALS (INCLUDING CALCULATIONS) SEALED PER THE PROJECT REQUIREMENTS BY AN ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED.
   (REC) ITEMS MARKED THUS SHALL BE SUBMITTED TO ENGINEER FOR RECORD ONLY AND WILL NOT HAVE THE ENGINEER'S SHOP DRAWING STAMP AFFIXED.
4. SUBMITTAL REQUIREMENTS:
   A. ALL SHOP DRAWINGS MUST BE REVIEWED AND ELECTRONICALLY STAMPED BY THE CONTRACTOR PRIOR TO SUBMITTAL.
   B. CONTRACTOR SHALL PROVIDE THE SUBMITTAL IN ELECTRONIC PORTABLE DOCUMENT FORMAT (PDF).
   C. THE OMISSION FROM THE SHOP DRAWINGS OF ANY MATERIALS REQUIRED BY THE CONTRACT DOCUMENTS TO BE FURNISHED SHALL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF FURNISHING AND INSTALLING SUCH MATERIALS, REGARDLESS OF WHETHER THE SHOP DRAWINGS HAVE BEEN REVIEWED AND APPROVED.

C. REPRODUCTION
1. THE USE OF ELECTRONIC FILES OR REPRODUCTIONS OF THESE CONTRACT DOCUMENTS BY ANY CONTRACTOR, SUBCONTRACTOR, ERECTOR, FABRICATOR, OR MATERIAL SUPPLIER IN LIEU OF PREPARATION OF SHOP DRAWINGS SIGNIFIES THEIR ACCEPTANCE OF ALL INFORMATION SHOWN HEREON AS CORRECT, AND OBLIGATES THEMSELVES TO ANY JOB EXPENSE, REAL OR IMPLIED, ARISING DUE TO ANY ERRORS THAT MAY OCCUR HEREON.

X. MISCELLANEOUS

A. CONTRACT DOCUMENTS
1. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL CONTRACT DOCUMENTS AND LATEST ADDENDA AND TO SUBMIT SUCH DOCUMENTS TO ALL SUBCONTRACTORS AND MATERIAL SUPPLIERS PRIOR TO THE SUBMITTAL OF SHOP DRAWINGS, FABRICATION OF ANY STRUCTURAL MEMBERS, AND ERECTION IN THE FIELD.
2. THE CONTRACTOR SHALL FULLY AND PROPERLY IMPLEMENT THE ENGINEERING CONTROLS, WORK PRACTICES, AND RESPIRATORY PROTECTION AGAINST TOXIC AND HAZARDOUS SUBSTANCES INCLUDING RESPIRABLE CRYSTALLINE SILICA ACCORDING TO OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) 29 CFR 1926.1153. WALTER P MOORE DOES NOT HAVE CONTROL OVER, CHARGE OF, OR RESPONSIBILITY FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, NOR SHALL WALTER P MOORE BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO PERFORM THE WORK IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
3. THE CONTRACT STRUCTURAL DRAWINGS REPRESENT THE REPAIRED STRUCTURE, AND, EXCEPT WHERE SPECIFICALLY SHOWN, DO NOT INDICATE THE METHOD OR MEANS OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, PROCEDURES, TECHNIQUES, AND SEQUENCES.
4. PERFORM FIELD SURVEYS TO VERIFY AS-BUILT CONDITIONS INCLUDING: EXPANSION JOINT SYSTEMS, PREVIOUS REPAIRS PERFORMED IN THE FACILITY, PRESENCE OF POST-TENSIONING, LOCATION AND SIZE OF STRUCTURAL MEMBERS (BEAMS, COLUMNS, WALLS, ETC.), SLAB THICKNESS, AND OTHER INFORMATION RELEVANT TO THE PROJECT.
5. WHERE MEMBER LOCATIONS ARE NOT SPECIFICALLY DIMENSIONED, MEMBERS ARE EITHER LOCATED ON COLUMNS LINES OR ARE EQUALLY SPACED BETWEEN LOCATED MEMBERS.
6. IF CERTAIN FEATURES ARE NOT FULLY SHOWN OR SPECIFIED ON THE DRAWINGS, THEIR CONSTRUCTION SHALL BE OF THE SAME CHARACTER AS SHOWN OR SPECIFIED IN SIMILAR CONDITIONS.

B. WARRANTIES
1. CONTRACTOR SHALL PROVIDE MINIMUM WARRANTIES AS FOLLOWS:
   A. REFER TO SECTION "JOINT SEALANTS" FOR WARRANTY REQUIREMENTS FOR JOINT SEALANTS.
   B. REFER TO SECTION "CONCRETE PENETRATING SEALER" FOR WARRANTY REQUIREMENTS FOR CONCRETE PENETRATING SEALERS.
   C. A MINIMUM 3 YEAR WARRANTY AGAINST FAILURE (CRACKING, DEBONDING) OF CONCRETE PATCHES.

C. CONFLICTS IN STRUCTURAL REQUIREMENTS
1. WHERE CONFLICT EXISTS AMONG THE VARIOUS PARTS OF THE REPAIR CONTRACT DOCUMENTS, REPAIR DRAWINGS, GENERAL NOTES, THE STRICTEST REQUIREMENTS, AS INDICATED BY THE ENGINEER, SHALL GOVERN.

D. EXISTING CONDITIONS
1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS OF THE EXISTING BUILDING AT THE JOB SITE AND REPORT ANY DISCREPANCIES FROM ASSUMED CONDITIONS SHOWN ON THE DRAWINGS TO THE ENGINEER PRIOR TO THE FABRICATION AND ERECTION OF ANY MEMBERS. EXISTING DIMENSIONS SHOWN ON THE DRAWINGS ARE FOR GENERAL REFERENCE ONLY AND SHOULD NOT BE USED FOR FINAL CONSTRUCTION OR DETAILING.
2. WORK SHOWN ON THE DRAWINGS IS EXISTING, UNLESS NOTED AS NEW.
3. EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS WAS OBTAINED FROM EXISTING CONSTRUCTION DOCUMENTS AND LIMITED SITE OBSERVATION. THE DRAWINGS OF EXISTING CONSTRUCTION ARE AVAILABLE FOR CONTRACTOR USE AND SHALL BE REFERENCED FOR FAMILIARIZATION WITH EXISTING CONDITIONS. HOWEVER, THE AVAILABLE DRAWINGS OF EXISTING CONSTRUCTION ARE NOT NECESSARILY COMPLETE. THE CONTRACTOR IS RESPONSIBLE FOR BEING KNOWLEDGEABLE OF INFORMATION PRESENTED IN AVAILABLE DRAWINGS AND SHALL FIELD VERIFY ALL PERTINENT INFORMATION.
4. DEMOLITION, CUTTING, DRILLING, ETC. OF EXISTING WORK SHALL BE PERFORMED WITH GREAT CARE SO AS NOT TO JEOPARDIZE THE STRUCTURAL INTEGRITY OF THE EXISTING BUILDING. IF ANY ARCHITECTURAL, STRUCTURAL, OR MEP MEMBERS NOT DESIGNATED FOR REMOVAL INTERFERE WITH THE NEW WORK, THE OWNER SHALL BE NOTIFIED IMMEDIATELY AND WRITTEN APPROVAL OBTAINED PRIOR TO THEIR REMOVAL.
5. CONTRACTOR SHALL SAFELY SHORE EXISTING CONSTRUCTION WHEREVER EXISTING SUPPORTS ARE REMOVED TO ALLOW THE INSTALLATION OF NEW WORK. ALL SHORING METHODS AND SEQUENCING OF DEMOLITION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND HIS SHORING ENGINEER.
6. CONTRACTOR SHALL PERFORM A SURVEY TO LOCATE ALL EXISTING UTILITIES PRIOR TO THE START OF CONSTRUCTION AND TAKE CARE TO PROTECT UTILITIES TO REMAIN IN SERVICE. EXISTING CIVIL, MECHANICAL, ELECTRICAL, PLUMBING, AND EMERGENCY PROTECTION SYSTEMS SERVICING ANY AREAS OUTSIDE THE WORK AREA SHALL BE MAINTAINED IN OPERABLE CONDITION THROUGHOUT THE DURATION OF REPAIRS. CONTRACTOR SHALL MAKE ALL NECESSARY TEMPORARY CONNECTIONS TO MAINTAIN EXISTING UTILITIES IN SERVICE DURING THE WORK. TEMPORARY, LOCALIZED, INTERRUPTION OF THESE SYSTEMS SHALL REQUIRE OWNER'S WRITTEN APPROVAL.
7. CONTRACTOR SHALL PROVIDE DUST, ODOR, AND NOISE PROTECTION, AND SAFETY MEASURES AS NECESSARY FOR THE DURATION OF REPAIRS. PROVIDE ALL MEASURES NECESSARY TO PROTECT THE EXISTING STRUCTURE, BUILDING INTERIOR, VEHICLES, MACHINERY, FACILITY PATRONS, AND OTHER PERSONS DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT LIMITED TO TEMPORARY BRACING, SHORING, FORMWORK, PROTECTIVE ENCLOSURES, AND TRAFFIC CONTROLS. THE EAST AND WEST PEDESTRIAN WALKWAYS AND THE PEDESTRIAN BRIDGE SHALL BE BARRICADED AND RESTRICTED FROM USE BY THE PUBLIC DURING THE REPAIRS.
8. CONTRACTOR SHALL PERFORM A PRE-CONSTRUCTION CONDITION SURVEY TO DOCUMENT SITE CONDITIONS PRIOR TO START OF WORK. SUBMIT SURVEY TO OWNER AND THE ENGINEER. DOCUMENT LOCATION AND CONDITION OF ANY CONSTRUCTION DESIGNATED FOR REMOVAL AND RE-INSTALLATION.
9. CONTRACTOR SHALL REPAIR ALL DAMAGE CAUSED DURING CONSTRUCTION WITH SIMILAR MATERIALS AND WORKMANSHIP TO RESTORE CONDITIONS TO LEVELS ACCEPTABLE TO THE OWNER.

E. ADJACENT BUILDINGS AND PROPERTY
1. CONTRACTOR IS ADVISED TO PERFORM ALL PHOTOGRAPHIC SURVEYS AND OTHER DOCUMENTATION OF THE ADJACENT BUILDINGS BEFORE THE START OF AND DURING CONSTRUCTION.

F. RESPONSIBILITY OF THE CONTRACTOR FOR CONSTRUCTION LOADS
1. THE REPAIRS HAVE BEEN DESIGNED FOR THE LOADS IDENTIFIED WITHIN THESE REPAIR DRAWINGS THAT ARE ANTICIPATED TO BE APPLIED TO THE STRUCTURE ONCE REPAIR WORK IS COMPLETED. THE CONTRACTOR SHALL NOT OVERLOAD THE STRUCTURE DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING THE ADEQUACY OF THE STRUCTURE TO SUPPORT ANY APPLIED CONSTRUCTION LOADS, INCLUDING THOSE DUE TO CONSTRUCTION VEHICLES OR EQUIPMENT, MATERIAL HANDLING OR STORAGE, SHORING OR RESHORING, OR ANY OTHER CONSTRUCTION ACTIVITY. THE CONTRACTOR SHALL SUBMIT CALCULATIONS SIGNED AND SEALED BY AN ENGINEER LICENSED IN THE STATE WHERE THE PROJECT IS LOCATED VERIFYING THE ADEQUACY OF THE STRUCTURE FOR ANY PROPOSED CONSTRUCTION LOADS THAT ARE IN EXCESS OF THE STATED DESIGN LOADS. THE STRUCTURAL ENGINEER IS NOT RESPONSIBLE TO DESIGN OR CHECK THE STRUCTURE FOR LOADS APPLIED TO THE STRUCTURE FOR ANY CONSTRUCTION ACTIVITY.

G. CONTRACTOR SUBSTITUTIONS
1. ANY MATERIALS OR PRODUCTS SUBMITTED FOR APPROVAL THAT ARE DIFFERENT FROM THE MATERIAL OR PRODUCTS SPECIFIED IN THE STRUCTURAL CONTRACT DOCUMENTS WILL BE CONSIDERED FOR APPROVAL ONLY IF THE FOLLOWING CRITERIA ARE SATISFIED:
   A. A COST SAVINGS TO THE OWNER IS DOCUMENTED AND SUBMITTED WITH THE REQUEST.
   B. PRODUCT SPECIFIED IS NOT READILY AVAILABLE. SUBMIT AVAILABILITY DOCUMENTATION WITH THE SUBSTITUTION REQUEST.
   C. SUPERIOR PRODUCT AT THE SAME OR LOWER COST. SUBMIT COST ANALYSIS AND PERFORMANCE DOCUMENTATION WITH THE SUBSTITUTION REQUEST.
   D. THE MATERIAL OR PRODUCT IS IN CONFORMANCE WITH THE REQUIREMENTS OF THE REFERENCED BUILDING CODE AND THE ICC-ES EVALUATION REPORT IS SUBMITTED WITH THE REQUEST.
      1) THE ICC-ES EVALUATION REPORT THAT IS SUBMITTED MUST REFERENCE THE BUILDING CODE UNDER WHICH THE PROJECT IS PERMITTED.
      2) ICC-ESR EVALUATION REPORTS THAT HAVE BEEN DISCONTINUED AT THE TIME OF PRODUCT INSTALLATION WILL NOT BE ACCEPTED.
2. SUBMITTALS NOT SATISFYING THE ABOVE CRITERIA WILL NOT BE CONSIDERED.
3. REFER TO SPECIFICATION SECTION "PROJECT SUBSTITUTIONS PROCEDURES" FOR ADDITIONAL SUBSTITUTIONS REQUIREMENTS AND SUBMITTAL PROCEDURES.

H. THE STRUCTURAL ENGINEER'S ROLE DURING CONSTRUCTION
1. THE ENGINEER SHALL NOT HAVE CONTROL NOR CHARGE OF, AND SHALL NOT BE RESPONSIBLE FOR, CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES, FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, FOR THE ACTS OR OMISSION OF THE CONTRACTOR, SUBCONTRACTOR, OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK, OR FOR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
2. PERIODIC SITE OBSERVATION BY FIELD REPRESENTATIVES OF WALTER P. MOORE AND ASSOCIATES, INC. IS SOLELY FOR THE PURPOSE OF BECOMING GENERALLY FAMILIAR WITH THE PROGRESS AND QUALITY OF THE WORK COMPLETED AND DETERMINING, IN GENERAL, IF THE WORK OBSERVED IS BEING PERFORMED IN A MANNER INDICATING THAT THE WORK, WHEN FULLY COMPLETED, WILL BE IN ACCORDANCE WITH THE REPAIR CONTRACT DOCUMENTS. THIS LIMITED SITE OBSERVATION SHOULD NOT BE CONSTRUED AS EXHAUSTIVE OR CONTINUOUS TO CHECK THE QUALITY OR QUANTITY OF THE WORK, BUT RATHER PERIODIC IN AN EFFORT TO GUARD THE OWNER AGAINST DEFECTS OR DEFICIENCIES IN THE WORK OF THE CONTRACTOR.

I. MAINTENANCE STATEMENT
1. ALL STRUCTURES REQUIRE PERIODIC MAINTENANCE TO EXTEND LIFESPAN AND TO ENSURE STRUCTURAL INTEGRITY FROM EXPOSURE TO THE ENVIRONMENT. A PLANNED PROGRAM OF MAINTENANCE SHALL BE ESTABLISHED BY THE BUILDING OWNER. THIS PROGRAM SHALL INCLUDE ITEMS SUCH AS BUT NOT LIMITED TO PAINTING OF STRUCTURAL STEEL, PROTECTIVE COATING FOR CONCRETE, REPLACEMENT OF FAILED SEALANTS, CAULKED JOINTS, EXPANSION JOINTS, CONTROL JOINTS, REPAIR OF SPALLS AND CRACKS IN CONCRETE, AND PRESSURE WASHING OF EXPOSED STRUCTURAL ELEMENTS EXPOSED TO A SALT ENVIRONMENT, OTHER HARSH CHEMICALS, OR A HUMID ENVIRONMENT.

J. SPECIALTY ENGINEER REQUIREMENTS
1. THE FLORIDA STATE BOARD OF PROFESSIONAL ENGINEERS HAS ISSUED RULES ON RESPONSIBILITIES OF PROFESSIONAL ENGINEERS CONCERNING THE DESIGN OF STRUCTURES, PURSUANT TO CHAPTER 61G15-31 OF THE FLORIDA ADMINISTRATIVE CODE. CERTAIN COMPONENTS OF THE STRUCTURE REQUIRE THE WORK OF A SPECIALTY ENGINEER FOR THE DESIGN. ALL PROCEDURES STATED IN THE RULES SHALL APPLY TO THESE SPECIALTY COMPONENTS.

XI. DRAWING INTERPRETATION

A. DRAWING VIEWS LABELED AS "TYPICAL"
1. PARTIAL PLANS, ELEVATIONS, SECTIONS, DETAILS, OR SCHEDULES LABELED WITH "TYPICAL" AT THE BEGINNING OF THEIR TITLE SHALL APPLY TO ALL SITUATIONS OCCURRING ON THE PROJECT THAT ARE THE SAME OR SIMILAR TO THOSE SPECIFICALLY SHOWN. THE APPLICABILITY OF THE CONTENT OF THESE VIEWS TO LOCATIONS ON THE PLAN CAN BE DETERMINED FROM THE TITLE OF THE VIEWS. SUCH VIEWS SHALL APPLY WHETHER OR NOT THEY ARE KEYED IN AT EACH LOCATION. DECISIONS REGARDING APPLICABILITY OF THESE "TYPICAL" VIEWS SHALL BE DETERMINED BY THE STRUCTURAL ENGINEER.

B. STRUCTURAL ABBREVIATIONS AND NOTATIONS
1. THE FOLLOWING ABBREVIATIONS AND NOTATIONS MAY APPEAR ON THE DRAWINGS:

@	AT
&	AND
#	NUMBER
'	FT
"	IN.
ACI	AMERICAN CONCRETE INSTITUTE
AISI	AMERICAN IRON AND STEEL INSTITUTE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
BLDG	BUILDING
BOT	BOTTOM
CJ	CONTROL JOINT
CL	COLUMN LINE
CL	CENTER LINE
COL	COLUMN
CONC	CONCRETE
CSP	CONCRETE SURFACE PROFILE
DIAM	DIAMETER
DL	DEAD LOAD
EA	EACH
EMBED	EMBEDMENT
EXIST	EXISTING
F'C	CONCRETE STRENGTH
G/R	GUARDRAIL
IN	IN.
KIPS	1000 LBF
LBF	POUNDS FORCE
MAX	MAXIMUM
MIN	MINIMUM
OC	ON CENTER
OZ	OUNCE
PL	PLATE
PSI	POUNDS PER SQUARE IN.
TI	TASK ITEM
TYP	TYPICAL
VIF	VERIFY IN FIELD
WWF	WELDED WIRE FABRIC

C. STRUCTURAL SYMBOLS
1. TASK ITEMS ARE INDICATED BY: (x)

TASK ITEM	TASK ITEM DESCRIPTION
1	DEMOLITION
2	NEW HOLLOWCORE PLANKS
3	NEW CONCRETE TOPPING SLAB
4	NEW EDGE BEAM/CURB CLOSURE
5	NEW GUARDRAILS
6	CONCRETE TOPPING SLAB REPAIR
7	CONCRETE CURB REPAIR
8	SLAB REPAIR OVERHEAD
9	CONCRETE BEAM REPAIR
10	CONCRETE PENETRATING SEALER
11	CRACK REPAIR - WEST WALKWAY
12	CONTRACTION JOINT SEALANT REPLACEMENT - WEST WALKWAY
13	COVE SEALANT @ G/R POSTS

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Project Name :

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N

1 SITE PLAN

NO SCALE

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SITE PLAN

Sheet No. :

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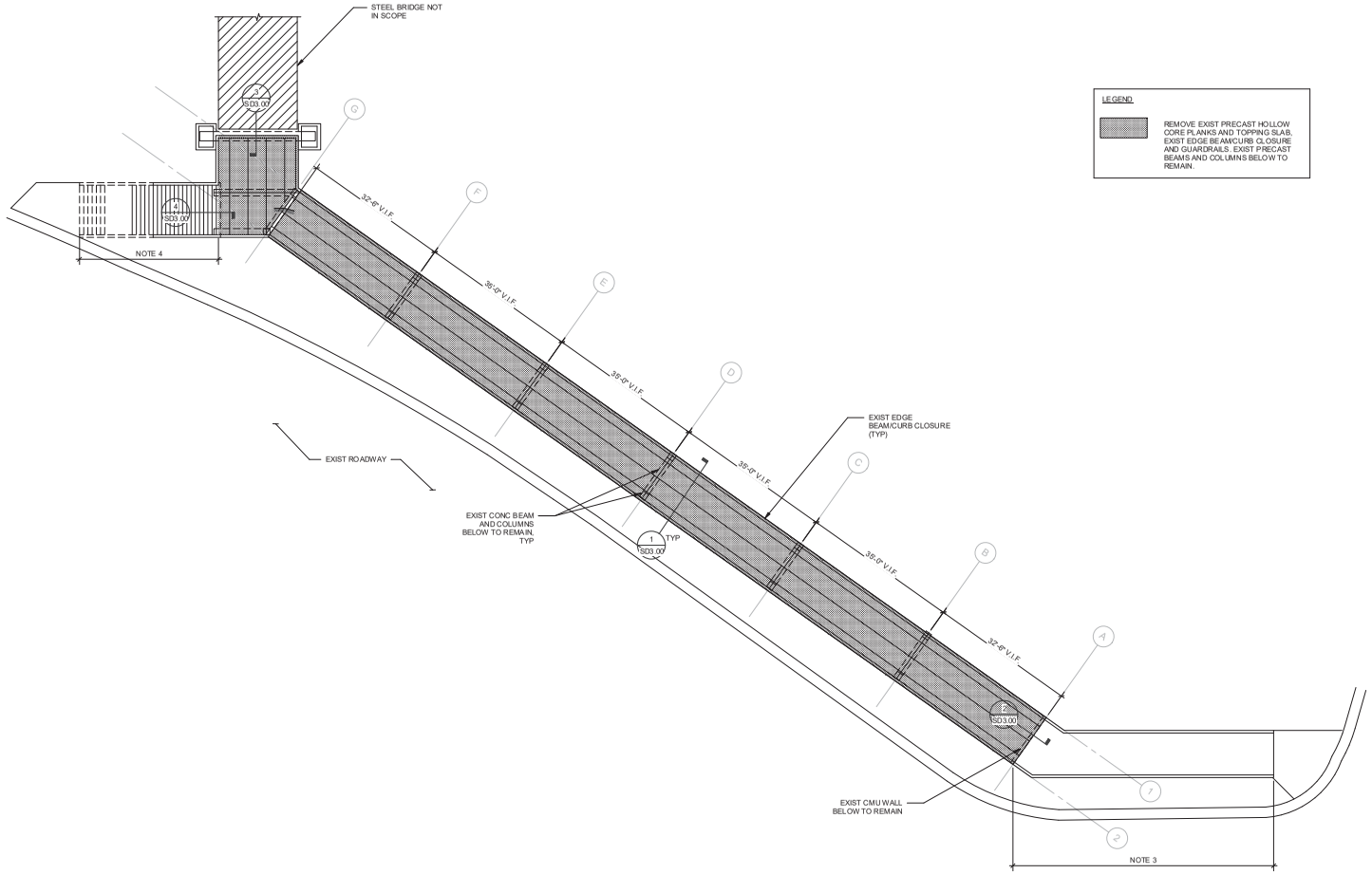

LEGEND

REMOVE EXIST PRECAST HOLLOW CORE PLANKS AND TOPPING SLAB, EXIST EDGE BEAM/CURB CLOSURE AND GUARDRAILS. EXIST PRECAST BEAMS AND COLUMNS BELOW TO REMAIN.

NOTES:

1. PLAN OBTAINED FROM "NEW YORK YANKEES SPRING TRAINING COMPLEX PEDESTRIAN BRIDGE CONSTRUCTION DOCUMENTS" RECORD DRAWINGS BY LESCHER AND MAHONEY ARCHITECTS AND ENGINEERS, DATED APRIL 25, 1996. PLAN PROVIDED SOLEY FOR THE PURPOSE OF SHOWING LOCATION AND EXTENT OF REPAIRS.
2. PRIOR TO DEMOLITION, CONTRACTOR SHALL PERFORM AS-BUILT ELEVATION SURVEY OF SURFACE OF EXIST TOPPING SLAB. SURVEY SHALL DOCUMENT EXISTING ELEVATIONS AT CROWN, SIDES OF RAMP AND ALL TRANSITIONS AND SHALL SUBMIT ELEVATIONS TO OWNER AND ENGINEER FOR REVIEW. NEW TOPPING SLAB CONCRETE SHALL BE PLACED TO THESE EXISTING ELEVATIONS TO RE-CREATE THE PROFILE AND SLOPES OF THE EXISTING TOPPING SLAB.
3. EXIST ON-GRADE SECTION OF WALKWAY/RAMP: SCOPE OF DEMOLITION LIMITED TO DEMOLITION OF EXIST GUARDRAILS. DO NOT DEMOLISH EXIST SLAB-ON-GRADE OR EXIST CURB/EDGE BEAM.
4. EXIST CONCRETE STAIRS: SCOPE OF DEMOLITION LIMITED TO DEMOLITION OF EXIST GUARDRAILS.

N 1 EAST PEDESTRIAN WALKWAY - DEMO PLAN

NO SCALE

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EAST PEDESTRIAN RAMP DEMO PLAN

Sheet No. :

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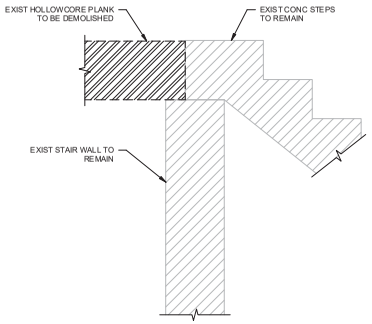
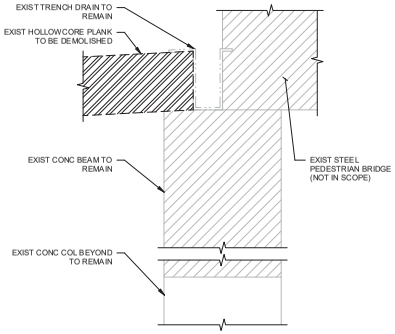


4 EXISTING RAMP TO STAIR STRUCTURE (DEMO)
NO SCALE



3 EXISTING RAMP TO STEEL BRIDGE (DEMO)
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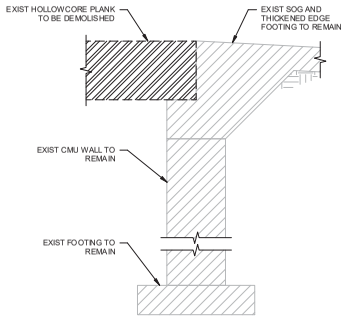

2 EXISTING RAMP TO SLAB-ON-GROUND (DEMO)
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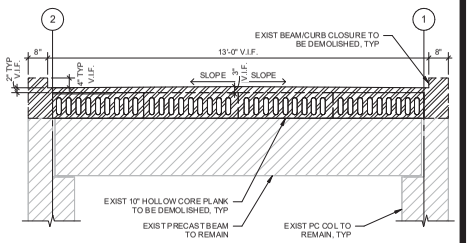

1 EXISTING PEDESTRIAN RAMP SECTION (DEMO)
NO SCALE

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Drawn By : MN
Approved By : WW
Checked By : KH

Certification Statement :

TO THE BEST OF THE ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES.

Seal and Signature :

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Drawing Title :

DETAILS

Sheet No. :

SD3.00

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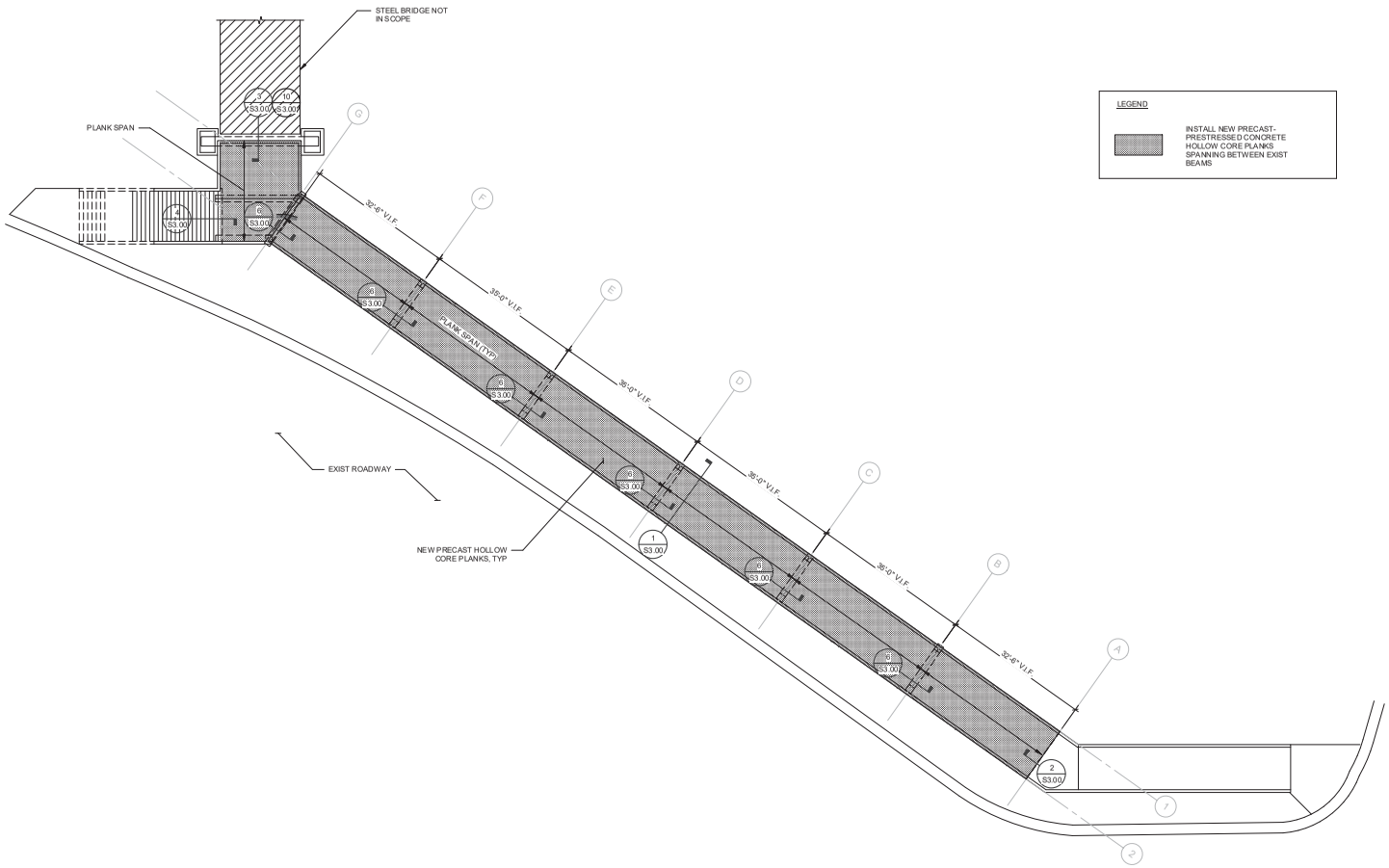

NOTES:
1. PLAN OBTAINED FROM "NEW YORK YANKEES SPRING TRAINING COMPLEX PEDESTRIAN BRIDGE CONSTRUCTION DOCUMENTS" RECORD DRAWINGS BY LESCHER AND MAHONEY ARCHITECTS AND ENGINEERS, DATED APRIL 25, 1996.
2. REFER TO GENERAL NOTES AND SECTION "STRUCTURAL PRECAST CONCRETE" FOR ADDITIONAL INFORMATION REGARDING DESIGN CRITERIA AND REPLACEMENT OF HOLLOWCORE PLANKS.

1 EAST PEDESTRIAN WALKWAY - PLANK INSTALLATION PLAN
NO SCALE

walter p moore
Walter P Moore and Associates, Inc.
300 South Orange, Suite 1200
Orlando, Florida 32801
407.418.2218

Project Name :

RJS PEDESTRIAN WALKWAY REPAIRS

Client :

TAMPA SPORTS AUTHORITY

Seal :

Issues/Revisions :

BID SET

No.	Date	Description
1	03/21/24	BID SET

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Drawing Title :

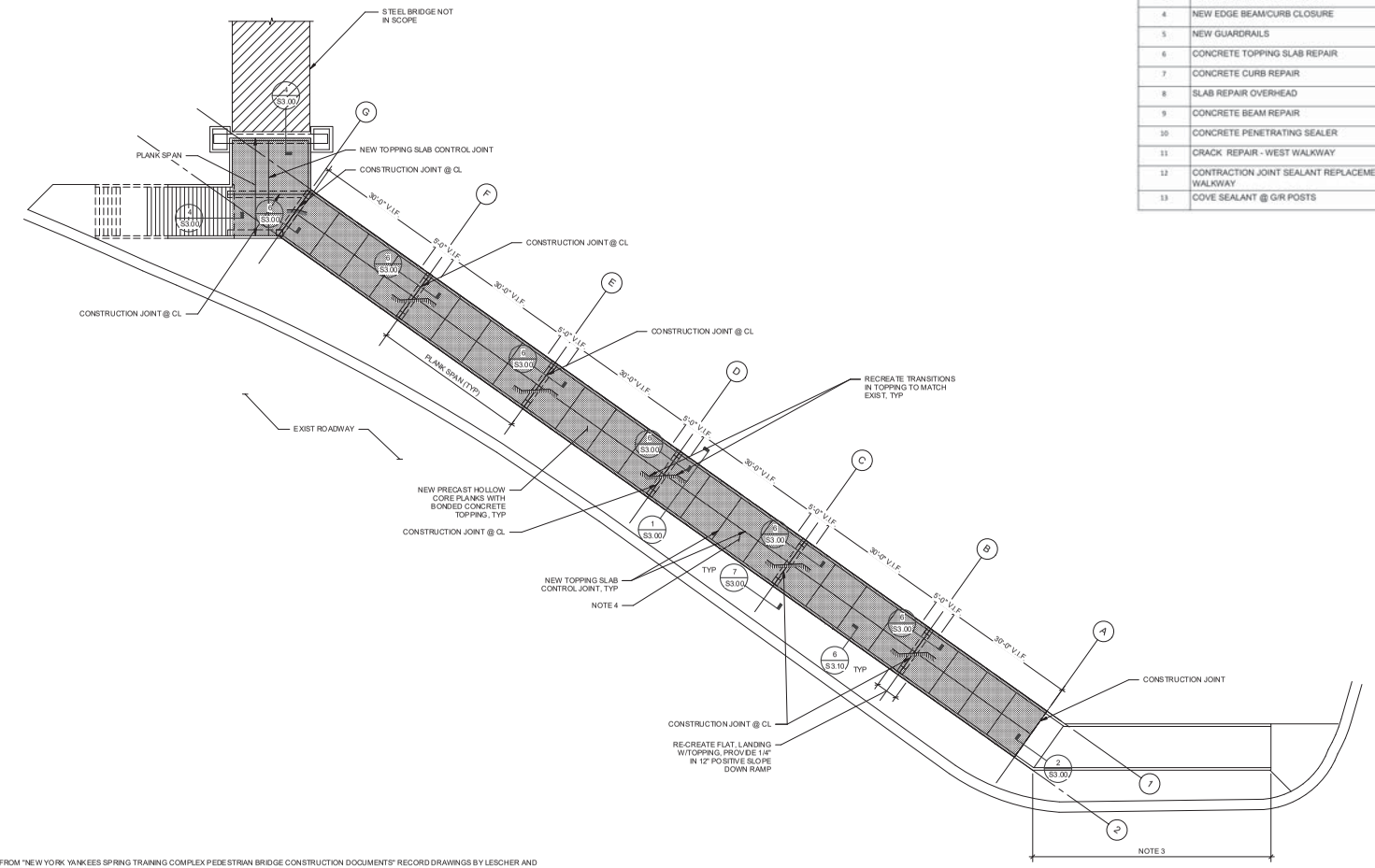
EAST PEDESTRIAN WALKWAY REPAIR PLAN

Sheet No. :

S1.00

C:\Users\AdobeIN\Documents\D07-23061-00 RJS East Pedestrian Ramp CD, Bid, CA_Rvt24_AdobeNative-WPM.rvt

TASK ITEM	TASK ITEM DESCRIPTION
1	DEMOLITION
2	NEW HOLLOWCORE PLANKS
3	NEW CONCRETE TOPPING SLAB
4	NEW EDGE BEAM/CURB CLOSURE
5	NEW GUARDRAILS
6	CONCRETE TOPPING SLAB REPAIR
7	CONCRETE CURB REPAIR
8	SLAB REPAIR OVERHEAD
9	CONCRETE BEAM REPAIR
10	CONCRETE PENETRATING SEALER
11	CRACK REPAIR - WEST WALKWAY
12	CONTRACTION JOINT SEALANT REPLACEMENT - WEST WALKWAY
13	COVE SEALANT @ G/R POSTS



NOTES:
1. PLAN OBTAINED FROM "NEW YORK YANKEES SPRING TRAINING COMPLEX PEDESTRIAN BRIDGE CONSTRUCTION DOCUMENTS" RECORD DRAWINGS BY LESCHER AND MAHONEY ARCHITECTS AND ENGINEERS, DATED APRIL 25, 1996.
2. PLACE NEW BONDED CONCRETE TOPPING TO ELEVATIONS OF EXISTING TOPPING, RE-CREATING EXISTING PROFILE AND SLOPES. REFER TO DEMOLITION PLAN NOTES.
3. EXIST ON-GRADE SECTION OF WALKWAY/RAMP: NO NEW CONCRETE TOPPING WORK.
4. CONTRACTOR SHALL INSTALL NEW BONDED CONCRETE TOPPING SLAB AND CONCRETE PENETRATING SEALER (TASK ITEM 10) WITHIN SHADED/HATCHED AREA IN ACCORDANCE WITH ALL REQUIREMENTS OF STRUCTURAL DESIGN DOCUMENTS.
5. REFER TO DETAIL 2/S3.10 FOR TYPICAL CONSTRUCTION AND CONTROL JOINTS IN TOPPING SLAB.

TOPPING SLAB NOTES:
1. SHOTBLAST CLEAN EXISTING SURFACE OF NEW PRECAST HOLLOWCORE PLANKS TO RECEIVE NEW BONDED CONCRETE TOPPING SLAB.
2. 24 HOURS IN ADVANCE OF CONCRETE PLACEMENT, DAMPEN SUBSTRATE TO SATURATED SURFACE DRY (SSD) CONDITION AND SCRUB CEMENT BONDING SLURRY INTO SURFACE OF SUBSTRATE USING A STIFF BRISTLE BRUSH. CEMENT BONDING SLURRY SHALL CONSIST OF 10 PARTS CEMENT, 1 PART SAND AND WATER AS NEEDED TO CREATE SLURRY.
3. WHILE CEMENT BONDING SLURRY IS STILL DAMP, INSTALL NEW CONCRETE TOPPING SLAB WITHIN HATCHED AREA INDICATED ON PLAN. REFER ALSO TO DETAILS ON SHEETS S3.00 AND S3.10.
4. ELEVATIONS OF NEW CONCRETE TOPPING SHALL MATCH ELEVATIONS OF EXISTING TOPPING SLAB BEING REMOVED.
5. REINFORCE NEW TOPPING SLAB WITH 4X4 / W3.5XW3.5 WWF PLACED AT MID-DEPTH OF SLAB. MAINTAIN MINIMUM COVER OF 3/4-INCH.
6. LAP SPLICES IN WWF SHALL BE ONE SQUARE OVERLAP OR 4 INCHES.
7. FIBER REINFORCEMENT: PROVIDE FIBER REINFORCEMENT IN READY-MIX CONCRETE OF THE TYPES LISTED BELOW THAT ARE SPECIFICALLY MANUFACTURED FOR USE IN CONCRETE TO RESIST CRACKING FROM EITHER PLASTIC SHRINKAGE, HARDENED CONCRETE SHRINKAGE, OR BOTH WHEN MIXED ACCORDING TO MANUFACTURER'S INSTRUCTIONS AT THE DOSAGE RATES FOR THE TYPE IDENTIFIED.
   A. BLENDED MICRO AND MACRO SYNTHETIC FIBERS AT 5.0 POUNDS PER CUBIC YARD OF CONCRETE.
8. SYNTHETIC MICRO FIBER REINFORCEMENT: COLLATED, FIBRILLATED, OR MONOFILAMENT POLYPROPYLENE, CELLULOSE, OR MULTI-FILAMENT NYLON FIBERS CONFORMING TO ASTM C 1116, TYPE III OR TYPE IV. THE FOLLOWING PRODUCT IS ACCEPTABLE:
   A. THE EUCLID COMPANY: FIBERSTRAND SERIES.
9. SYNTHETIC MACRO FIBER REINFORCEMENT: MONOFILAMENT POLYPROPYLENE/POLYETHYLENE FIBERS CONFORMING TO ASTM C 1116, TYPE III HAVING AN ASPECT RATIO BETWEEN 50 AND 90 AND A MINIMUM TENSILE STRENGTH OF 90 KSI. THE FIBER LENGTHS SHALL BE BETWEEN 1.5 AND 2 INCHES LONG. THE FOLLOWING PRODUCT IS ACCEPTABLE:
   A. THE EUCLID COMPANY: TUF-STRAND SF.
10. PROVIDE MEDIUM BROOM FINISH TO NEW CONCRETE TOPPING SLAB. PERFORM MOCK-UP OF FINISH FOR OWNER REVIEW AND APPROVAL PRIOR TO PLACING NEW TOPPING SLAB.
11. INSTALL SEALANTS AT ALL TOPPING SLAB JOINTS PER DETAILS AND SECTION "JOINT SEALANTS" AND APPLY CONCRETE PENETRATING SEALER TO NEW CONCRETE TOPPING SLAB PER TASK ITEM 10 AND SECTION "CONCRETE PENETRATING SEALER."

1 EAST PEDESTRIAN WALKWAY - TOPPING SLAB PLAN

NO SCALE

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Orlando, Florida 32801

407.418.2218

Project Name :

RJS PEDESTRIAN WALKWAY REPAIRS

Client :

TAMPA SPORTS AUTHORITY

Seal :

Issues/Revisions :

BID SET

No.	Date	Description
1	03/21/24	BID SET

Project Number : D07-23061-00
Drawn By : AN
Approved By : WW
Checked By : KH

Certification Statement :

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Drawing Title :

EAST PEDESTRIAN WALKWAY TOPPING SLAB PLAN

Sheet No. :

S1.10

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TASK ITEM	TASK ITEM DESCRIPTION
1	DEMOLITION
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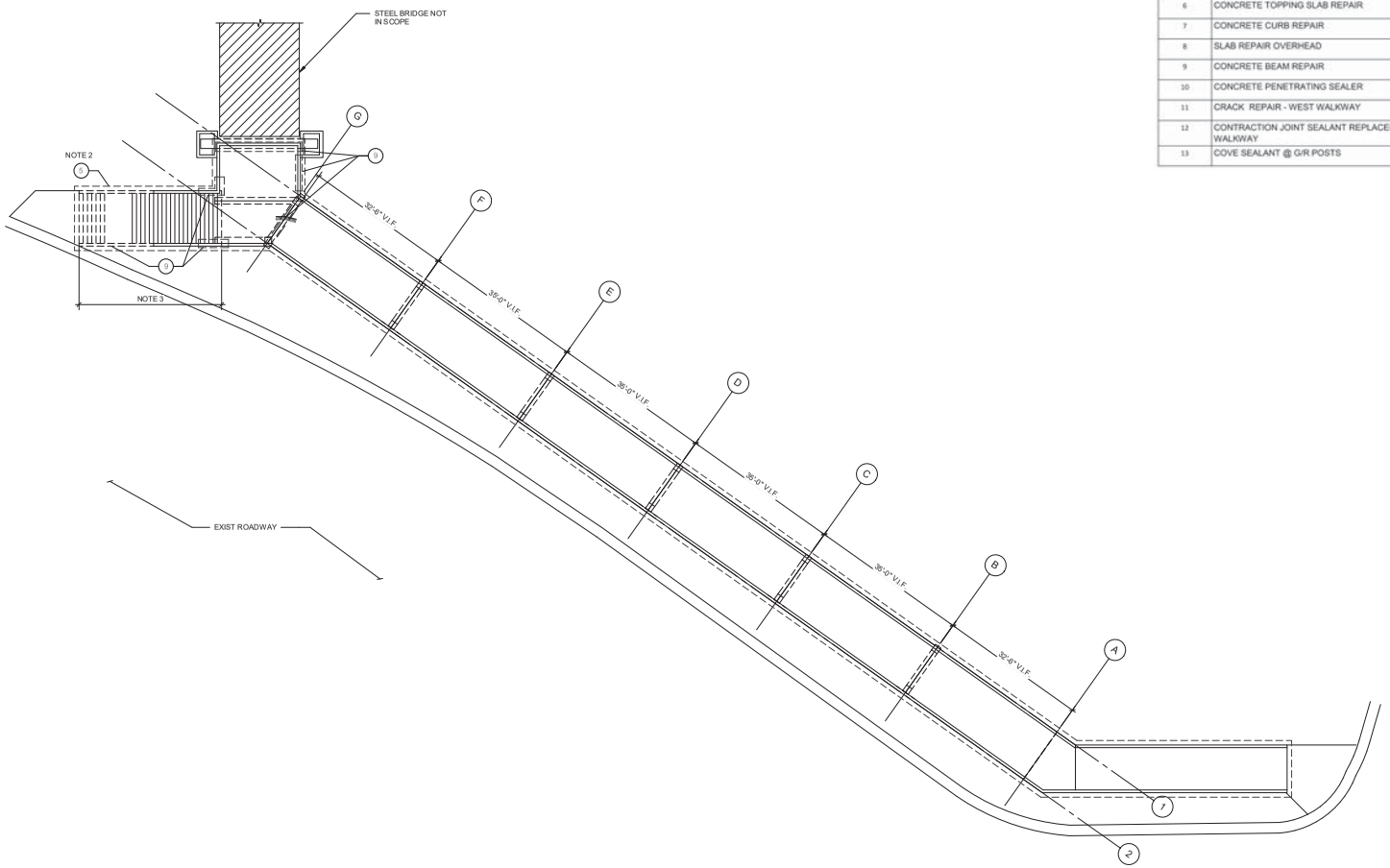
12	CONTRACTION JOINT SEALANT REPLACEMENT - WEST WALKWAY
13	COVE SEALANT @ G/R POSTS



NOTES:
1. PLAN OBTAINED FROM "NEW YORK YANKEES SPRING TRAINING COMPLEX PEDESTRIAN BRIDGE CONSTRUCTION DOCUMENTS" RECORD DRAWINGS BY LESCHER AND MAHONEY ARCHITECTS AND ENIGINEERS, DATED APRIL 25, 1996. PLAN IS SOLEY FOR THE PURPOSE OF SHOWING THE LOCATIONS OF MISCELLANEOUS REPAIRS.
2. REPLACE ALL EXISTING GUARDRAILS PER TASK ITEM 5.

N 1 EAST PEDESTRIAN WALKWAY - MISCELLANEOUS REPAIR PLAN
NO SCALE

walter p moore
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407.418.2218

Project Name :

RJS PEDESTRIAN WALKWAY REPAIRS

Client :

TAMPA SPORTS AUTHORITY

Seal :

Issues/Revisions :

BID SET

No.	Date	Description
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Project Number : D07-23061-00
Drawn By : MN
Approved By : WW
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Drawing Title :

EAST PEDESTRIAN WALKWAY REPAIR PLAN

Sheet No. :

S1.20

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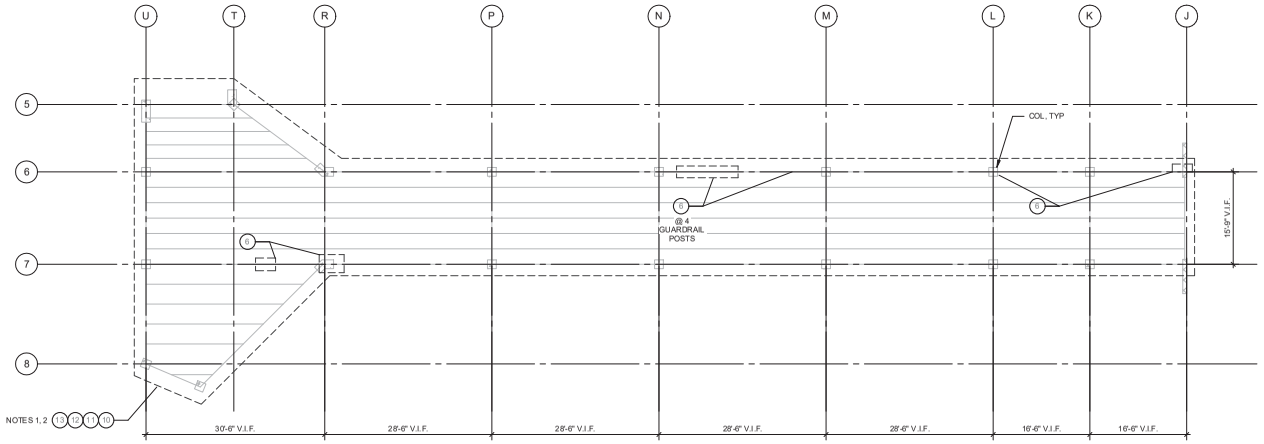
12	CONTRACTION JOINT SEALANT REPLACEMENT - WEST WALKWAY
13	COVE SEALANT @ G/R POSTS



NOTES:
1. ROUTE AND SEAL ALL EXISTING TOPPING SLAB CRACKS 1/64-INCH WIDE AND WIDER PER TASK ITEM 11.
2. REMOVE AND REPLACE JOINT SEALANT AT ALL TOPPING SLAB CONTRACTION JOINTS PER TASK ITEM 12.
3. INSTALL COVE SEALANT AT THE BASE OF ALL EXIST GUARDRAIL POSTS PER TASK ITEM 13.

N

1 WEST PEDESTRIAN BRIDGE WALKWAY PLAN

NO SCALE

walter p moore

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Orlando, Florida 32801

407.418.2218

Project Name :

RJS PEDESTRIAN WALKWAY REPAIRS

Client :

TAMPA SPORTS AUTHORITY

Seal :

Issues/Revisions :

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Project Number : D07-23061-00
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Drawing Title :

WEST PEDESTRIAN WALKWAY PLAN

Sheet No. :

S1.30

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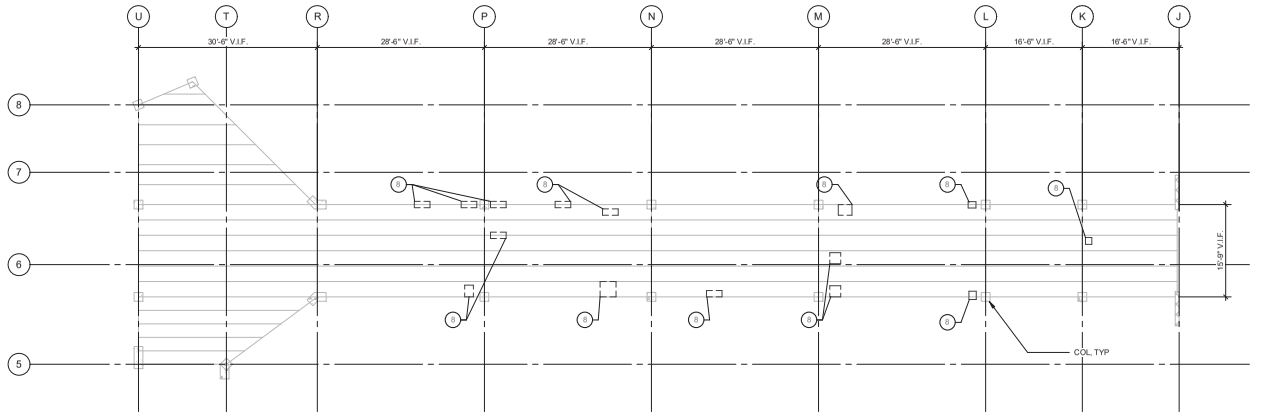

N

1 WEST PEDESTRIAN WALKWAY SOFFIT PLAN

NO SCALE

walter p moore

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300 South Orange, Suite 1200
Orlando, Florida 32801

407.418.2218

Project Name :

RJS PEDESTRIAN WALKWAY REPAIRS

Client :

TAMPA SPORTS AUTHORITY

Seal :

Issues/Revisions :

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Drawn By : MN

Approved By : WW

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WEST PEDESTRIAN WALKWAY SOFFIT PLAN

Sheet No. :

S1.40

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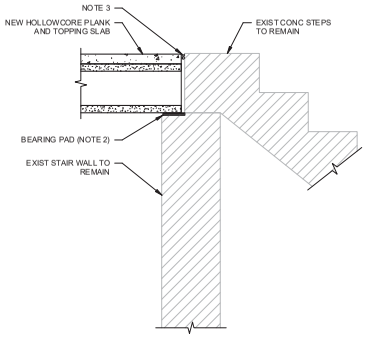
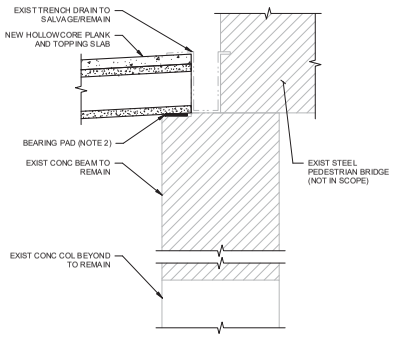


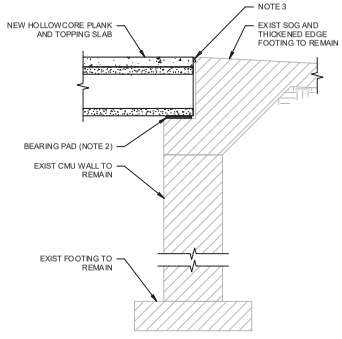
NOTES:
1. PROVIDE FULL BEARING ON EXIST LEDGE.
2. INSTALL MIN 1/2-INCH THINK NEOPRENE BEARING STRIP MIN 4" WIDE AT PLANK-TO-LEDGE BEARING.
3. REFER TO DETAIL 7/S3.10 FOR SEALANT JOINT BETWEEN NEW AND EXIST.

4 NEW PLANK TO STAIR STRUCTURE
NO SCALE



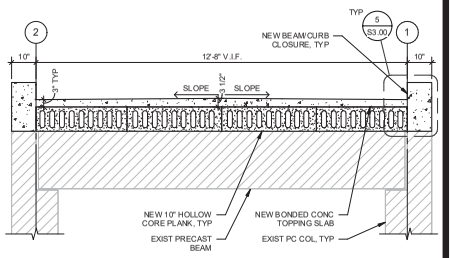
NOTES:
1. MIN BEARING OF NEW PLANK ON EXIST CONC BEAM SHALL BE 4" MIN.
2. INSTALL MIN 1/2-INCH THINK NEOPRENE BEARING STRIP MIN 4" WIDE AT PLANK-TO-BEAM BEARING.

3 NEW PLANK TO STEEL BRIDGE
NO SCALE



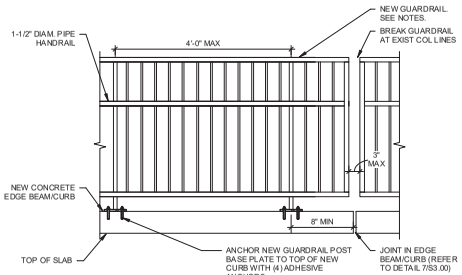
NOTES:
1. PROVIDE FULL BEARING ON EXIST LEDGE.
2. INSTALL MIN 1/2-INCH THINK NEOPRENE BEARING STRIP MIN 4" WIDE AT PLANK-TO-LEDGE BEARING.
3. REFER TO DETAIL 7/S3.10 FOR SEALANT JOINT BETWEEN NEW AND EXIST.

2 NEW PLANK TO SLAB-ON-GROUND
NO SCALE



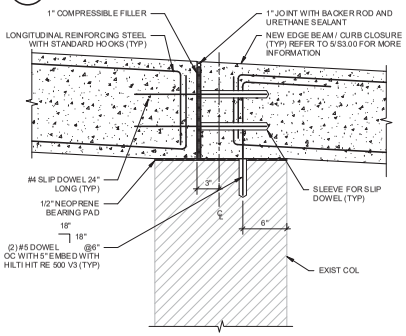
NOTES:
1. SECTION BASED ON "NEW YORK YANKEES SPRING TRAINING COMPLEX PEDESTRIAN BRIDGE CONSTRUCTION DOCUMENTS" RECORD DRAWINGS BY LESCHER AND MAHONEY ARCHITECTS, DATED APRIL 25, 1996 AND LIMITED FIELD OBSERVATIONS.

1 NEW PEDESTRIAN RAMP SECTION - TYPICAL
NO SCALE

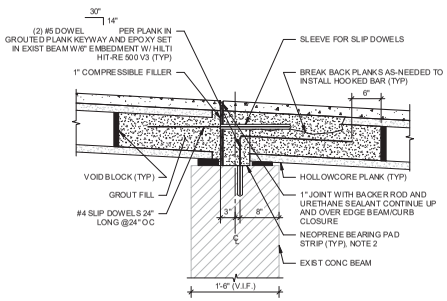


NOTES:
1. NEW STEEL GUARDRAIL SHALL BE SUBMITTED BY CONTRACTOR. DESIGN OF GUARDRAIL SHALL BE PERFORMED BY A LICENSED ENGINEER IN THE STATE OF FLORIDA. SHOP DRAWINGS AND CALCULATIONS SHALL BE SUBMITTED TO ENGINEER FOR APPROVAL.
2. REFER TO GENERAL NOTES FOR DESIGN CRITERIA.
3. GUARDRAIL SECTIONS TO BE LIMITED TO 35 FEET MAX LENGTH AND CENTERED ON EACH COLUMN LINE.
4. ALL HANDRAIL COMPONENTS SHALL BE COATED WITH A CORROSION RESISTANT EPOXY COATING. COLOR TO BE SELECTED BY OWNER.
5. NEW GUARDRAILS SHALL FOLLOW CONTOUR OF RAMP SLAB, MATCHING EXISTING GUARDRAILS. CONTRACTOR SHALL VERIFY IN FIELD.

8 NEW GUARDRAILS - TYPICAL
NO SCALE — TASK ITEM 5

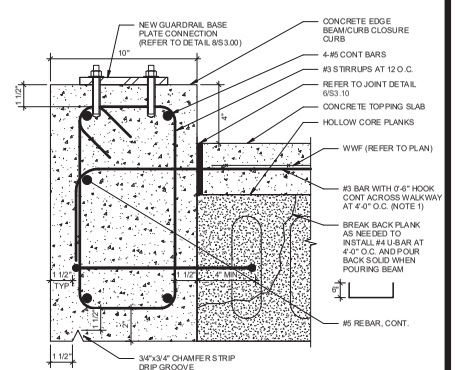


7 TYPICAL - NEW EDGE BEAM TO EXIST COLUMN
NO SCALE



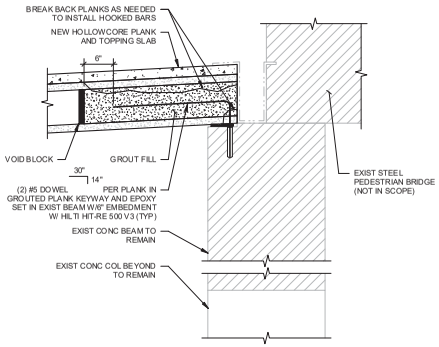
NOTES:
1. INSTALL MIN 1/2-INCH THINK NEOPRENE BEARING STRIP MIN 4" WIDE AT PLANK-TO-BEAM BEARING.
2. INSTALL CONT 1/4" GALVANIZED STEEL SHIM BEARING PLATES AS-NEEDED TO ACCOUNT FOR SLOPE OF PLANKS. TACK WELD STACKS OF SHIM PLATES.

6 TYPICAL - NEW PLANK TO EXIST BEAM
NO SCALE



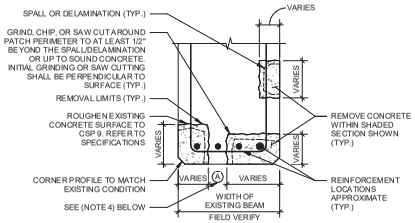
NOTES:
1. LAP SPLICES SHALL BE 16". PLACE BAR AT MID-DEPTH OF SLAB EXCEPT WHERE REQUIRED TO LOWER BAR TO MAINTAIN CLEAR COVER OF 1-1/2".

5 NEW EDGE BEAM/CURB CLOSURE - TYPICAL
NO SCALE



NOTES:
1. MIN BEARING OF NEW PLANK ON EXIST CONC BEAM SHALL BE 4" MIN.
2. INSTALL MIN 1/2-INCH THINK NEOPRENE BEARING STRIP MIN 4" WIDE AT PLANK-TO-BEAM BEARING.

10 NEW PLANK CONNECTION TO EXIST BEAM AT STEEL BRIDGE
NO SCALE



NOTES:
1. PROTECT EXISTING REINFORCEMENT FROM DAMAGE DURING CHIPPING, GRINDING OR SAW CUTTING FOR SPALL/DELAMINATION REPAIR.
2. REFER TO SECTION "SURFACE PREPARATION FOR PATCHING" FOR CLEANING AND COATING ALL EXPOSED REINFORCEMENT.
3. PROVIDE 3/4" CLEARANCE AROUND ALL EXPOSED REINFORCEMENT WHERE REQUIRED AS SPECIFIED IN SECTION "SURFACE PREPARATION FOR PATCHING." FINAL SURFACE PREPARATION SHALL BE ABRASIVE BLAST.
4. WHERE DIMENSION "A" SHOWN IN DETAIL IS 4" OR LESS, THEN REPAIR ENTIRE WIDTH OF BEAM.
5. WHERE REINFORCEMENT THAT IS EXPOSED DURING SURFACE PREPARATION IS FOUND TO BE SEVERELY CORRODED OR HAS LOST 10% OR MORE OF ITS CROSS SECTIONAL AREA, SUPPLEMENTARY REINFORCEMENT MAY BE REQUIRED. REPORT TO ENGINEER FOR REVIEW AND DESIGN OF SUPPLEMENTARY REINFORCEMENT.
6. PROVIDE SHORING AS SPECIFIED BY ENGINEER PRIOR TO COMMENCEMENT OF ANY CONCRETE REMOVAL WORK.

9 TYPICAL - CONCRETE BEAM REPAIR
NO SCALE — TASK ITEM 8

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Project Name :

RJS PEDESTRIAN WALKWAY REPAIRS

Client :

TAMPA SPORTS AUTHORITY

Seal :

Issues/Revisions :

BID SET

No.	Date	Description
1	03/21/24	BID SET

Project Number : D07-23061-00
Approved By : WW
Drawn By : MN
Checked By : KH

Certification Statement :
TO THE BEST OF THE ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES.

Seal and Signature :

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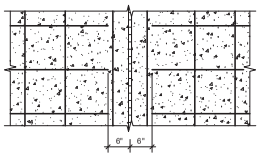
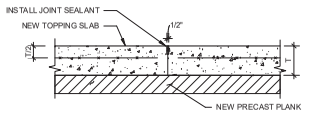
CLASSES OF CONCRETE MATRIX							
CONCRETE USAGE	MINIMUM COMPRESSIVE STRENGTH (f'c)	CONCRETE TYPE	EXPOSURE CLASSES	MAXIMUM W/CM RATIO	PERMISSIBLE CEMENT REPLACEMENT	MAXIMUM AGGREGATE SIZE	ADDITIONAL REMARKS
TOPPING SLAB	5,000 PSI AT 28 DAYS	NWC	F0, S0, W1, C1	0.40	N/A	1/2"	SEE NOTES 3, 4, 5
EDGE BEAM	5,000 PSI AT 28 DAYS	NWC	F0, S0, W1, C1	0.40	N/A	3/4"	N/A

NOTES:
1. ALL CONCRETE SHALL BE CONSIDERED TO BE IN EXPOSURE CLASS F0, S0, AND C1 ACCORDING TO ACI 318-19 AS NOTED IN TABLE ABOVE.
2. CONCRETE NOTED ABOVE BE PROPORTIONED TO COMPLY WITH ACI 318-19 TABLE 19.3.1.1, IN ADDITION TO THE NOTATIONS IN THE TABLE ABOVE AND THE STRICTER REQUIREMENTS SHALL GOVERN.
3. WHERE INDICATED IN THE "ADDITIONAL REMARKS" COLUMN OF THE TABLE ABOVE, CONCRETE SHALL BE PROPORTIONED FOR A MAXIMUM ALLOWABLE UNIT SHRINKAGE OF 0.035% MEASURED AT 28 DAYS AFTER CURING IN LIME WATER AS DETERMINED BY ASTM C157, USING AIR STORAGE.
4. FIBER REINFORCEMENT TO BE INCLUDED IN TOPPING SLAB. REFER TO 1/S1.10 NOTES.
5. USE EVAPORATION RETARDER APPLIED IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AFTER SCREEDING AND BULL FLOATING, BUT BEFORE POWER FLOATING AND TROWELING.
6. CURING: MOISTURE CURING: CURING SHALL BE IN ACCORDANCE WITH ACI 201 PROCEDURES. PROVIDE MOISTURE CURING FOR 7 DAYS BY ONE OF THE FOLLOWING METHODS:
   A. KEEP CONCRETE SURFACE CONTINUOUSLY WET BY COVERING WITH WATER.
   B. CONTINUOUS WATER-FOG SPRAY
   C. COVERING CONCRETE SURFACE WITH BURLAP CLOTH ABSORPTIVE COVER MADE FROM JUTE OR KENAF, WEIGHING APPROXIMATELY 9 OZ. PER SQ. YD., COMPLYING WITH AASHTO M 182, CLASS 2, THOROUGHLY SATURATING COVER WITH WATER AND KEEPING CONTINUOUSLY WET. PLACE ABSORPTIVE COVER TO PROVIDE COVERAGE OF CONCRETE SURFACES AND EDGES, WITH 4" LAP OVER ADJACENT ABSORPTIVE COVERS.
7. SUBMIT MIX DESIGNS FOR ENGINEER REVIEW.

4 SCHEDULE
NO SCALE



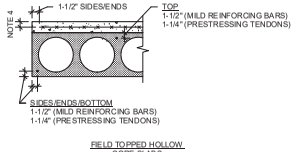
CONSTRUCTION JOINT



CONTRACTION (CONTROL) JOINT

NOTES:
1. REFER TO PLAN FOR SLAB THICKNESS (T) AND REINFORCEMENT.
2. THE JOINT SPACING SHALL BE AS SHOWN ON PLAN SHEET.
3. SLAB REINFORCEMENT SHALL BE CHAIRED BY SLAB BOLSTERS.
4. FORM CONTRACTION JOINT BY INSERTING PREMOLDED PLASTIC HARDBOARD STRIP INTO FRESH CONCRETE UNTIL TOP SURFACE OF STRIP IS FLUSH WITH SLAB SURFACE. TOOL SLAB EDGES ROUND EACH SIDE OF INSERT. AFTER CONCRETE HAS CURED, REMOVE INSERTS AND CLEAN GROOVE OF LOOSE DEBRIS. CONTRACTION JOINT DEPTH SHALL BE 1/3 TOTAL TOPPING SLAB THICKNESS.
5. PROVIDE JOINT SEALANT IN BOTH CONTRACTION AND CONSTRUCTION JOINTS.
   - SEALANT MATERIAL: PROVIDE A 2-COMPONENT TRAFFIC GRADE URETHANE SEALANT (NON SAG).

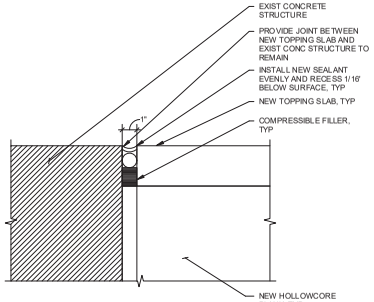
2 TYPICAL CONSTRUCTION AND CONTROL JOINTS - TOPPING SLAB
NO SCALE



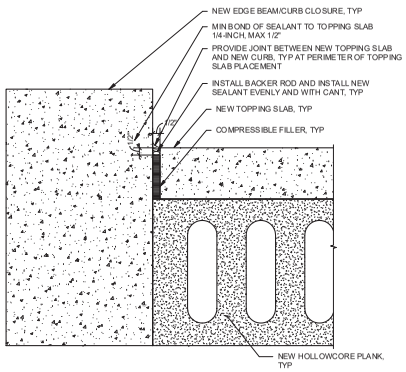
FIELD TOPPED HOLLOW CORE SLABS

NOTES:
1. CLEAR COVER SHOWN FOR MILD REINFORCING STEEL IS FOR SIZE #5 AND SMALLER.
2. CLEAR COVER SHOWN FOR PRE-STRESSING STEEL IS FOR PRE-STRESSING TENDONS 5/8" DIAMETER AND SMALLER.
3. FOR REINFORCEMENT NOT COMPLYING WITH NOTES 1 AND 2, REINFORCEMENT SHALL COMPLY WITH REQUIREMENTS OF ACI 318 FOR PRECAST CONCRETE SLABS MANUFACTURED UNDER PLANT CONTROL CONDITIONS AND EXPOSED TO WEATHER IN SERVICE.

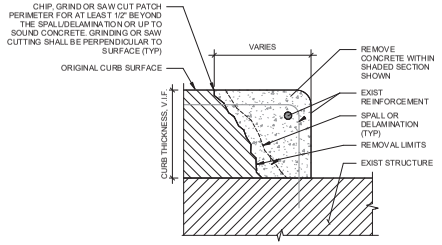
8 TYPICAL CLEAR CONCRETE COVER FOR REINFORCING STEEL IN PRECAST ELEVATED FRAMING
NO SCALE



7 TYPICAL - TOPPING SLAB INTERFACE WITH EXISTING STRUCTURE
NO SCALE



6 TYPICAL - TOPPING SLAB INTERFACE WITH CURB
NO SCALE



NOTES:
1. PROTECT EXISTING REINFORCEMENT FROM DAMAGE DURING CHIPPING, GRINDING OR SAW CUTTING FOR SPALL/DELAMINATION REPAIR.
2. REFER TO SECTION "SURFACE PREPARATION FOR PATCHING" FOR CLEANING AND COATING ALL EXPOSED REINFORCEMENT.
3. PROVIDE 3/4" CLEARANCE AROUND ALL EXPOSED REINFORCEMENT WHERE REQUIRED AS SPECIFIED IN SECTION "SURFACE PREPARATION FOR PATCHING." FINAL SURFACE PREPARATION SHALL BE ABRASIVE BLAST.
4. WHERE REINFORCEMENT THAT IS EXPOSED DURING SURFACE PREPARATION IS FOUND TO BE SEVERELY CORRODED OR HAS LOST 10% OR MORE OF ITS CROSS SECTIONAL AREA, SUPPLEMENTARY REINFORCEMENT MAY BE REQUIRED. REPORT TO ENGINEER FOR REVIEW AND DESIGN OF SUPPLEMENTARY REINFORCEMENT.
5. NEW PATCH SHALL MATCH EXISTING FINISH. PAINT PATCH TO MATCH EXISTING COLOR.

5 TYPICAL - CONCRETE CURB REPAIR
NO SCALE

TASK ITEM 7

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Project Name :

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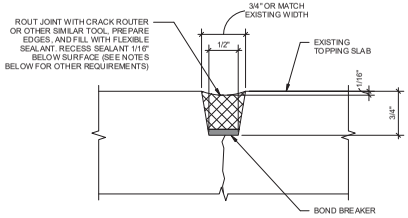
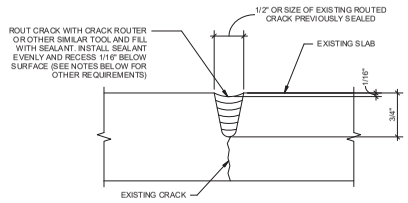


NOTES:
1. REMOVE EXISTING JOINT SEALANT MATERIALS IF PRESENT.
2. CLEAN JOINT BEFORE FILLING WITH SEALANT SUCH THAT THERE ARE NO OLD RESIDUAL MATERIALS, DUST AND CONTAMINANTS.
3. DO NOT OVERFILL THE JOINT.
4. USE MAGNETIC REBAR LOCATOR OR OTHER NON DESTRUCTIVE METHOD TO DETERMINE LOCATION OF REINFORCEMENT. NOTIFY ENGINEER IF DEPTH OF ROUTED JOINT INTERFERES WITH REINFORCEMENT PRIOR TO ROUTING THE CRACK. DO NOT NICK OR CUT EXISTING REINFORCEMENT.
5. REFER TO SPECIFICATIONS FOR SEALANT TYPE, BOND BREAKER AND OTHER REQUIREMENTS.

4 TYPICAL - EXIST CONTRACTION JOINT SEALANT REPLACEMENT - WEST WALKWAY

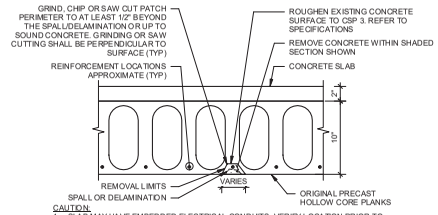
NO SCALE — TASK ITEM 12



NOTES:
1. REMOVE EXISTING JOINT SEALANT MATERIAL IF PRESENT.
2. ROUTE AND SEAL ALL EXISTING TOPPING SLAB CRACKS 1/64-INCH WIDE OR WIDER.
3. CLEAN ROUTED CRACK BEFORE FILLING WITH SEALANT SUCH THAT THERE ARE NO OLD RESIDUAL MATERIALS, DUST AND CONTAMINANTS.
4. DO NOT OVERFILL THE ROUTED CAVITY.
5. USE MAGNETIC REBAR LOCATOR OR OTHER NON-DESTRUCTIVE METHOD TO DETERMINE LOCATION OF REINFORCEMENT. NOTIFY ENGINEER IF DEPTH OF ROUTED JOINT INTERFERES WITH REINFORCEMENT PRIOR TO ROUTING THE CRACK. DO NOT NICK OR CUT EXISTING REINFORCEMENT.
6. REFER TO SPECIFICATIONS FOR SEALANT TYPE AND OTHER REQUIREMENTS.

3 TYPICAL - CRACK REPAIR - WEST WALKWAY

NO SCALE — TASK ITEM 11

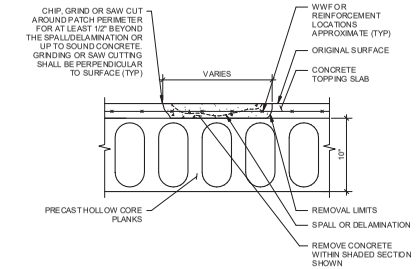


CAUTION:
1. SLAB MAY HAVE EMBEDDED ELECTRICAL CONDUITS. VERIFY LOCATION PRIOR TO COMMENCEMENT OF WORK.

NOTES:
1. PROTECT EXISTING REINFORCEMENT FROM DAMAGE DURING CHIPPING, GRINDING OR SAW CUTTING FOR SPALL/DELAMINATION REPAIR. USE NON-DESTRUCTIVE TECHNIQUES TO VERIFY LOCATION OF ELECTRICAL CONDUIT. DO NOT CUT OR DAMAGE ELECTRICAL CONDUIT.
2. REFER TO SECTION "SURFACE PREPARATION FOR PATCHING" SPECIFICATIONS FOR CLEANING AND COATING ALL EXPOSED REINFORCEMENT.
3. PROVIDE 3/4" CLEARANCE AROUND ALL EXPOSED REINFORCEMENT WHERE REQUIRED AS SPECIFIED IN SECTION "SURFACE PREPARATION FOR PATCHING." FINAL SURFACE PREPARATION SHALL BE ABRASIVE BLAST.
4. WHERE REINFORCEMENT THAT IS EXPOSED DURING SURFACE PREPARATION IS FOUND TO BE SEVERELY CORRODED OR HAS LOST 10% OR MORE OF ITS CROSS SECTIONAL AREA, SUPPLEMENTARY REINFORCEMENT MAY BE REQUIRED. REPORT TO ENGINEER FOR REVIEW AND DESIGN OF SUPPLEMENTARY REINFORCEMENT.
5. PROVIDE SHORING AS SPECIFIED BY ENGINEER PRIOR TO COMMENCEMENT OF ANY CONCRETE REMOVAL WORK.
6. NEW PATCH SHALL MATCH EXISTING FINISH.

2 TYPICAL - SLAB REPAIR OVERHEAD

NO SCALE — TASK ITEM 8



NOTES:
1. PROTECT EXISTING WWF OR REINFORCEMENT FROM DAMAGE DURING CHIPPING, GRINDING OR SAW CUTTING.
2. REFER TO SECTION "SURFACE PREPARATION FOR PATCHING" FOR CLEANING AND COATING ALL EXPOSED REINFORCEMENT.
3. PROVIDE 3/4" CLEARANCE AROUND ALL EXPOSED REINFORCEMENT WHERE REQUIRED AS SPECIFIED IN SECTION "SURFACE PREPARATION FOR PATCHING." FINAL SURFACE PREPARATION SHALL BE ABRASIVE BLAST.
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5. NEW PATCH SHALL MATCH EXISTING FINISH.
6. TERM "REINFORCEMENT" SHALL MEAN REINFORCING BARS OR WELDED WIRE FABRIC (WWF).

1 TYPICAL - CONCRETE TOPPING SLAB REPAIR

NO SCALE — TASK ITEM 6

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